

Figure 1

Coordination Interfaces

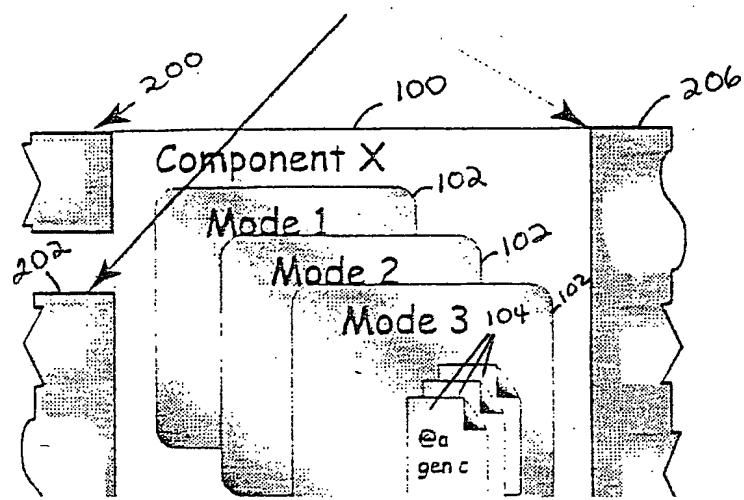


Figure 2

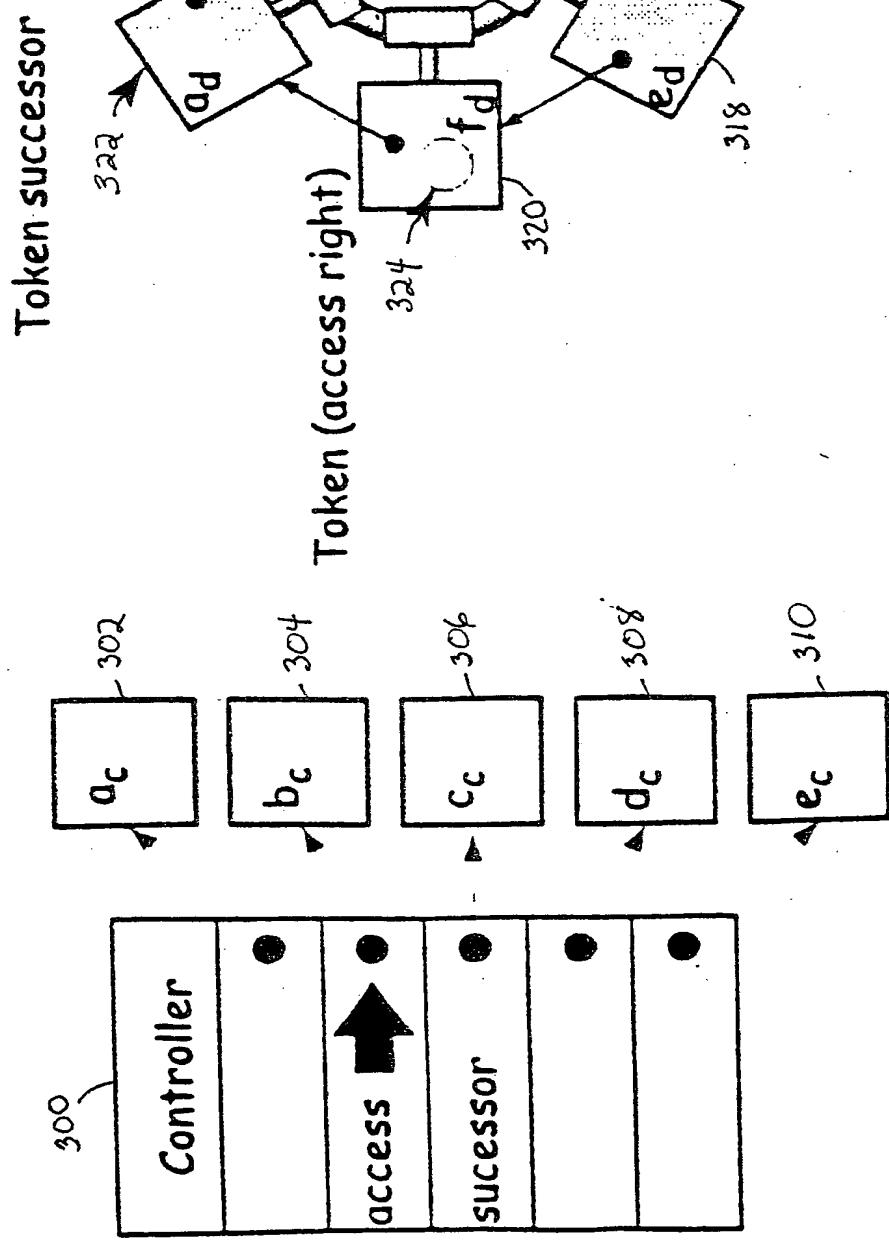


Figure 3A

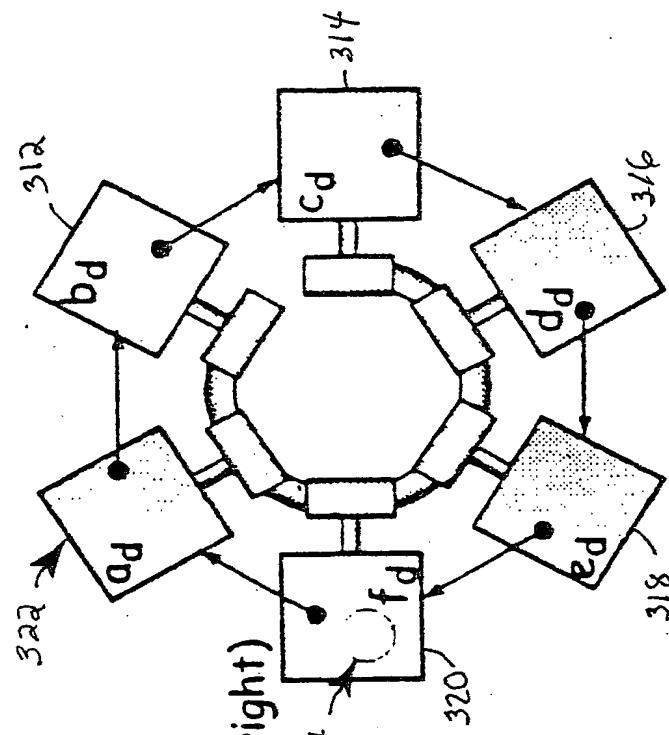


Figure 3B

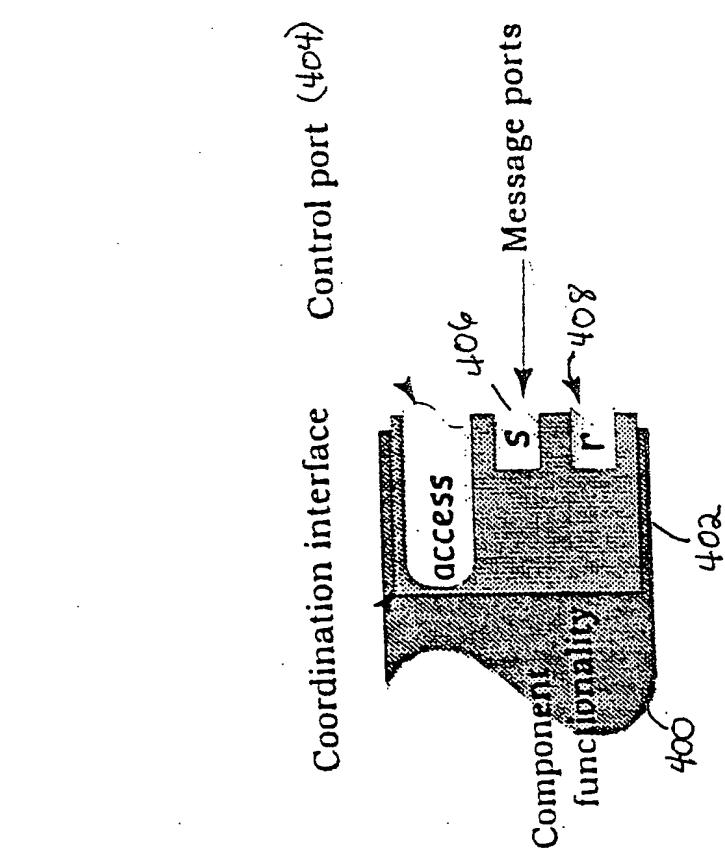


Figure 4A

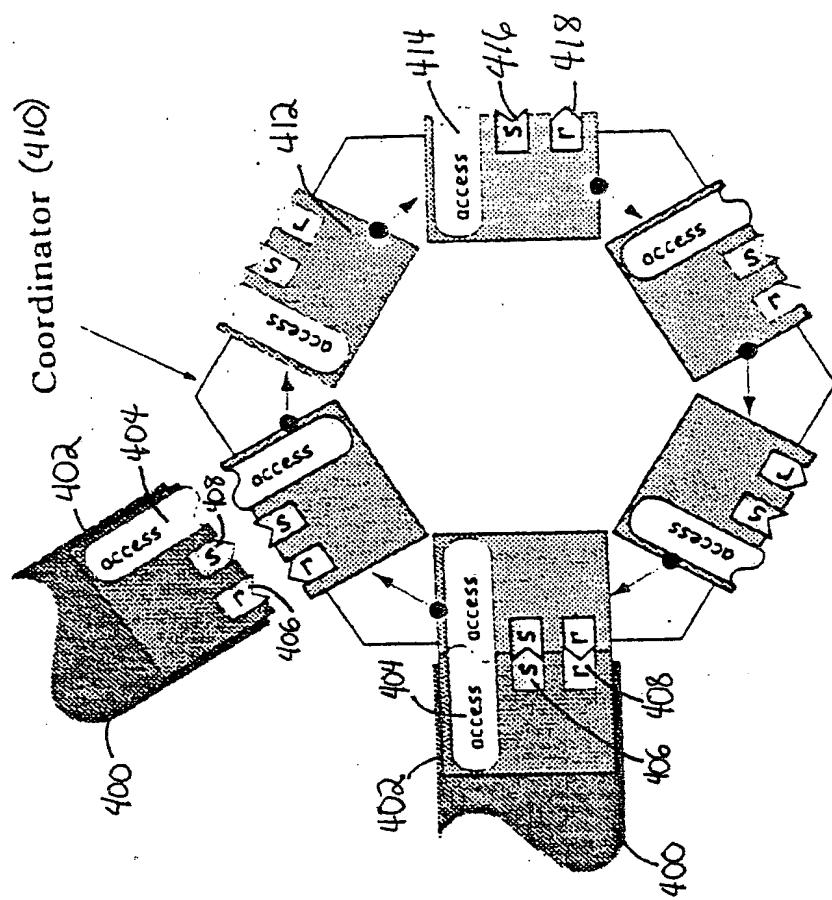


Figure 4B

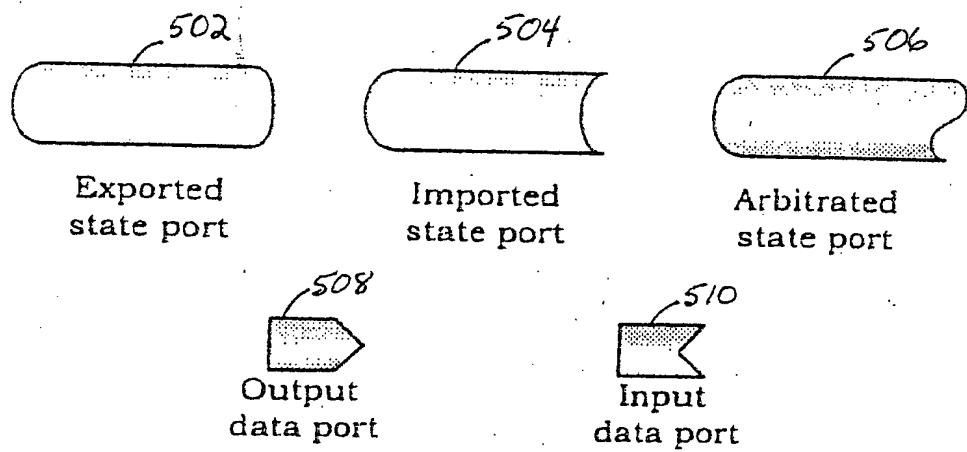


Figure 5

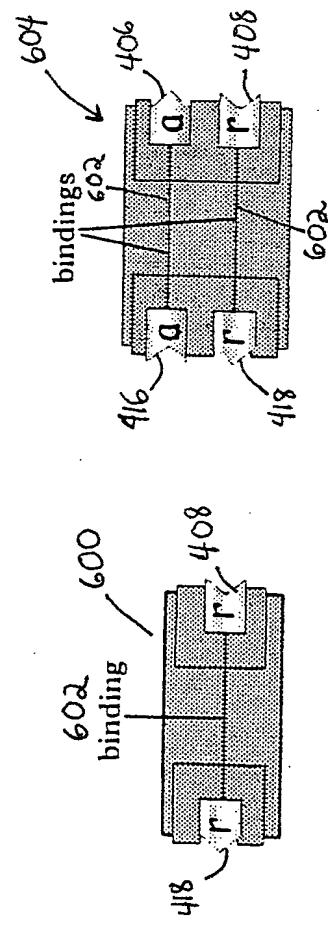


Figure 6A

Figure 6B

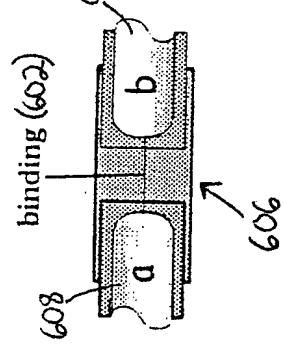


Figure 6C

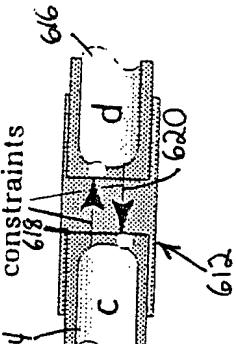


Figure 6D

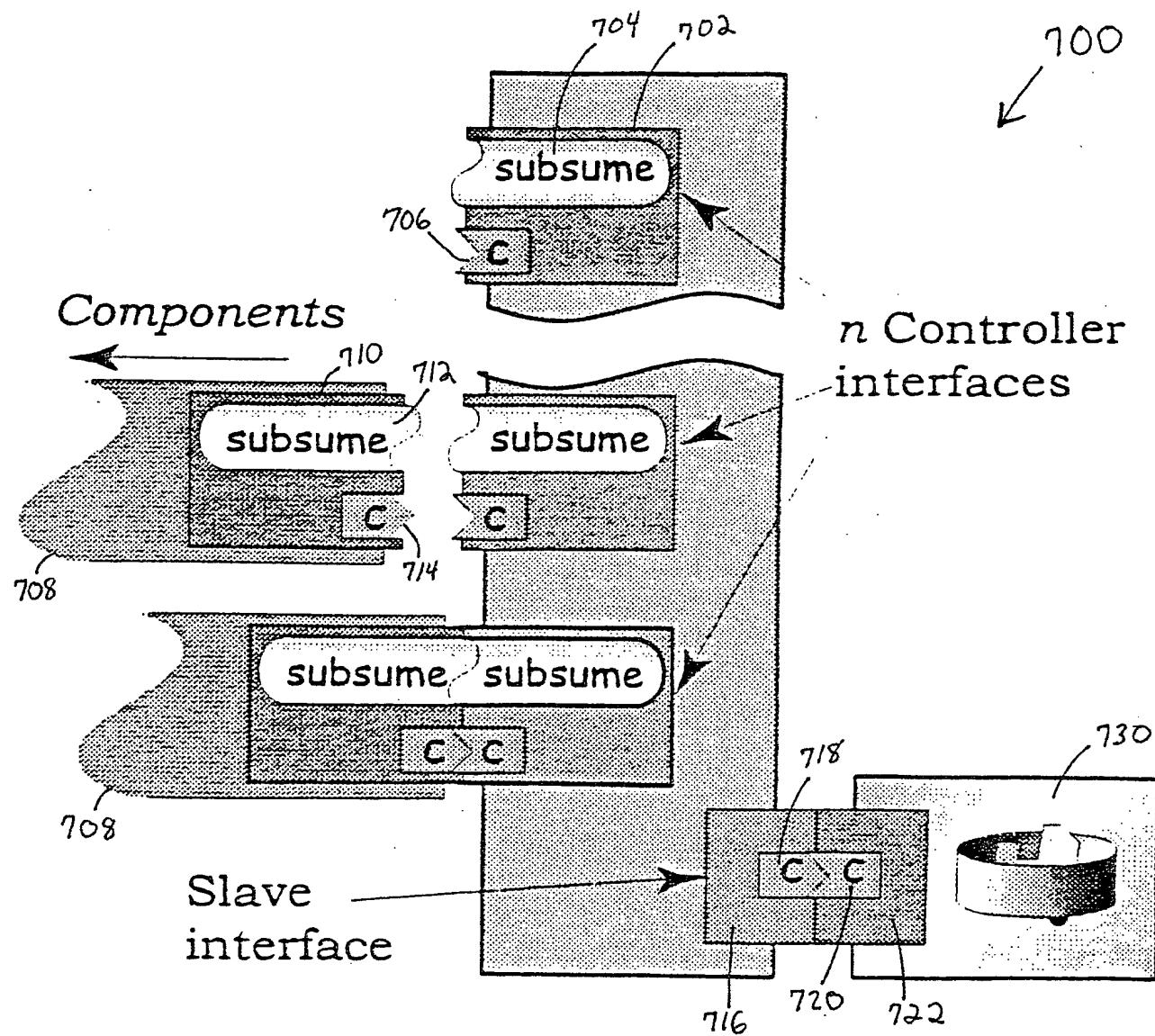


Figure 7

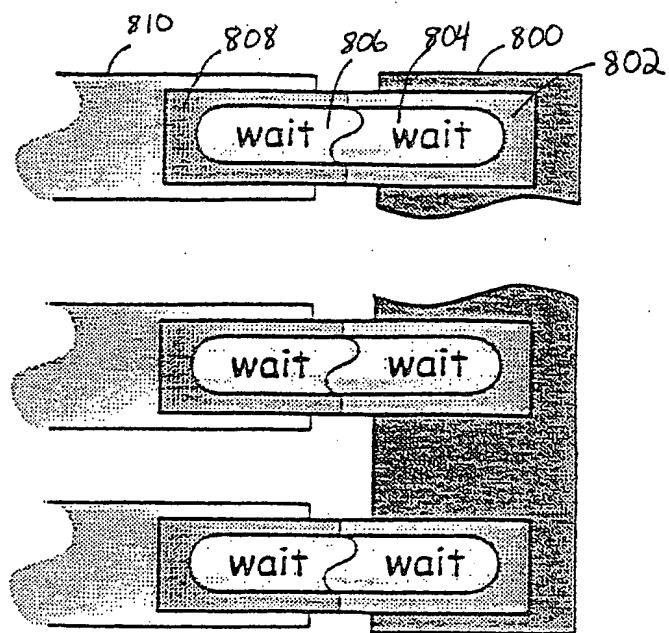


Figure 8

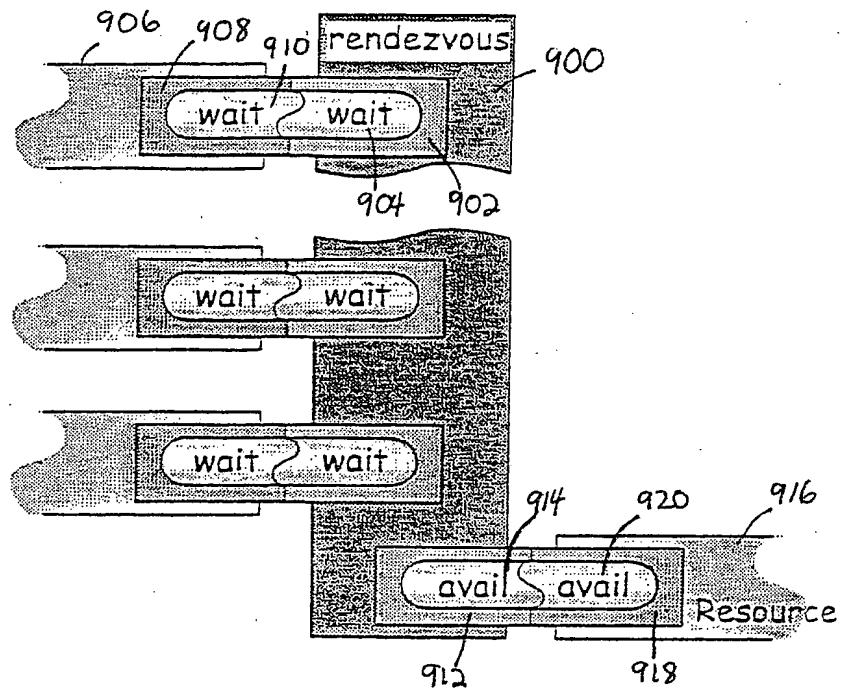


Figure 9

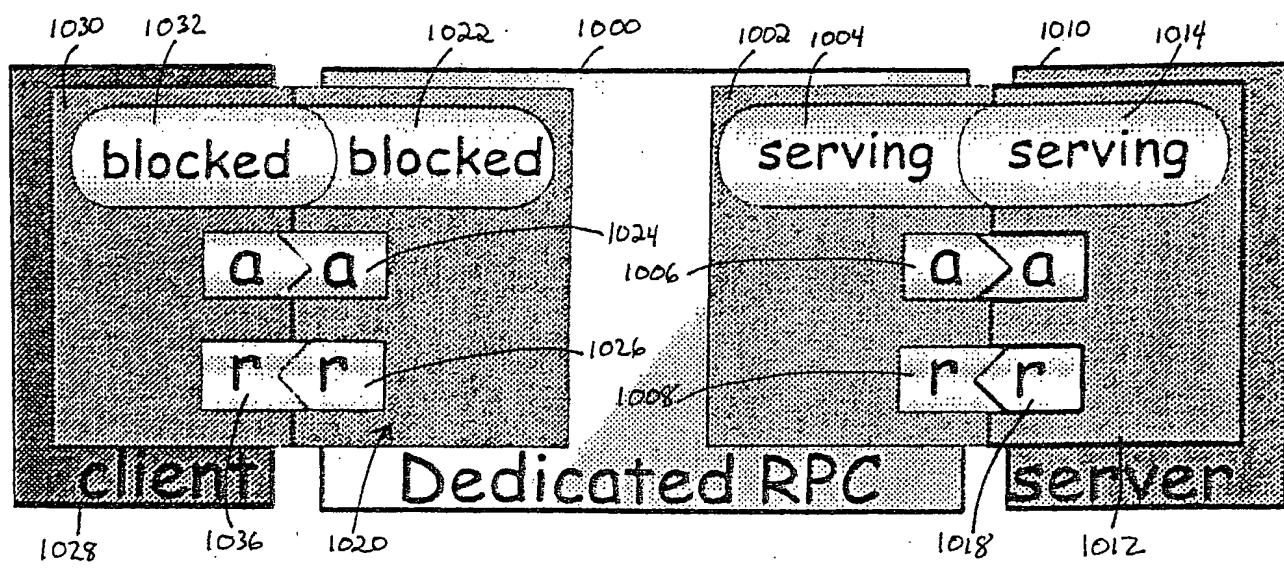


Figure 10

1138 1140 1142 1144 1146 1148 1150 1152 1154 1156 1158 1160 1162 1164 1166 1168 1170 1172 1174 1176 1178 1180 1182 1184 1186 1188 1190 1192 1194 1196 1198 1100 1102 1104 1106 1108 1110 1112 1114 1116 1118 1120 1122 1124 1126 1128 1130 1132 1134 1136 1138

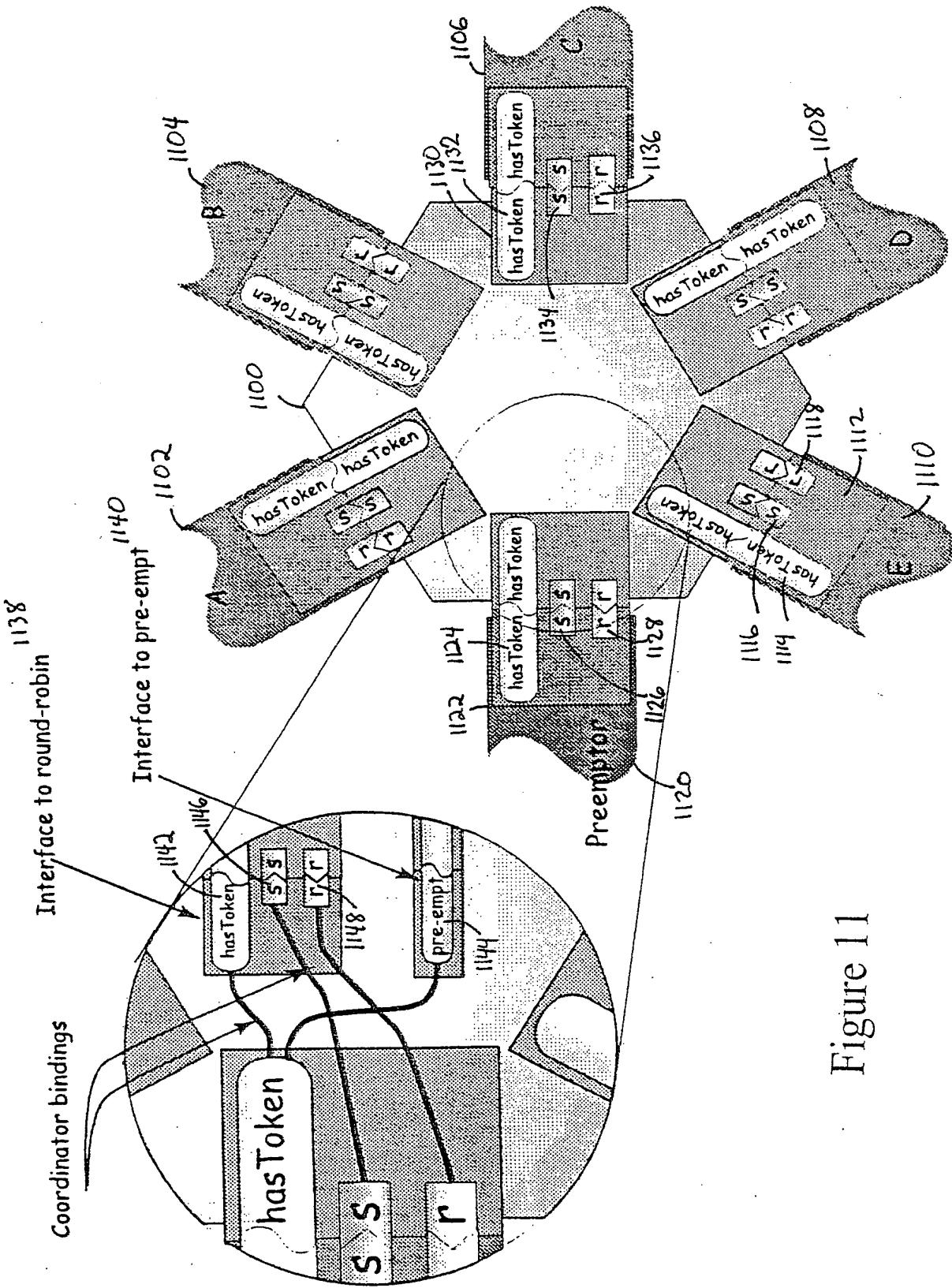


Figure 11

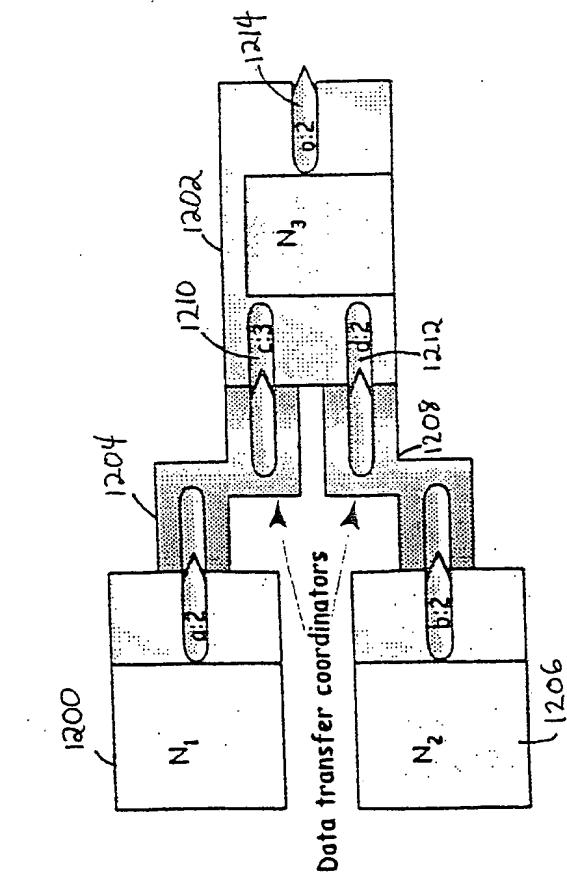


Figure 12A

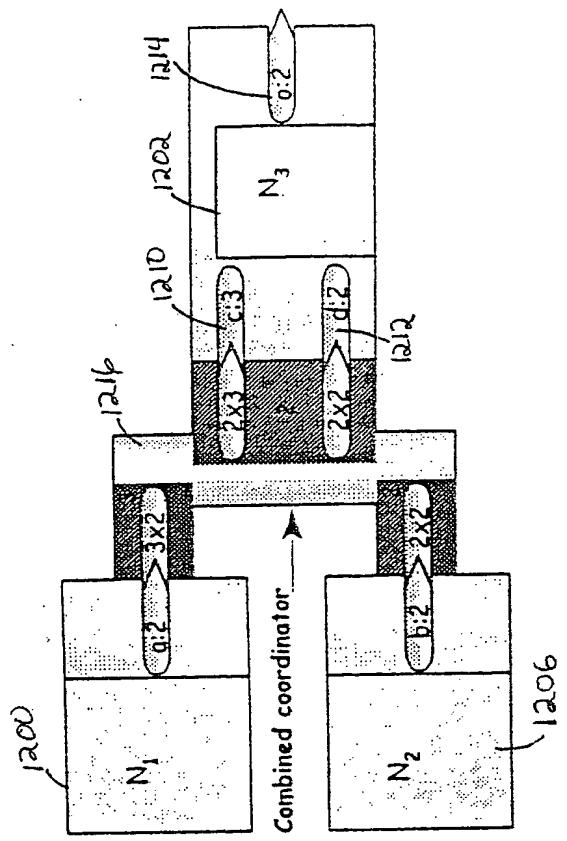


Figure 12B

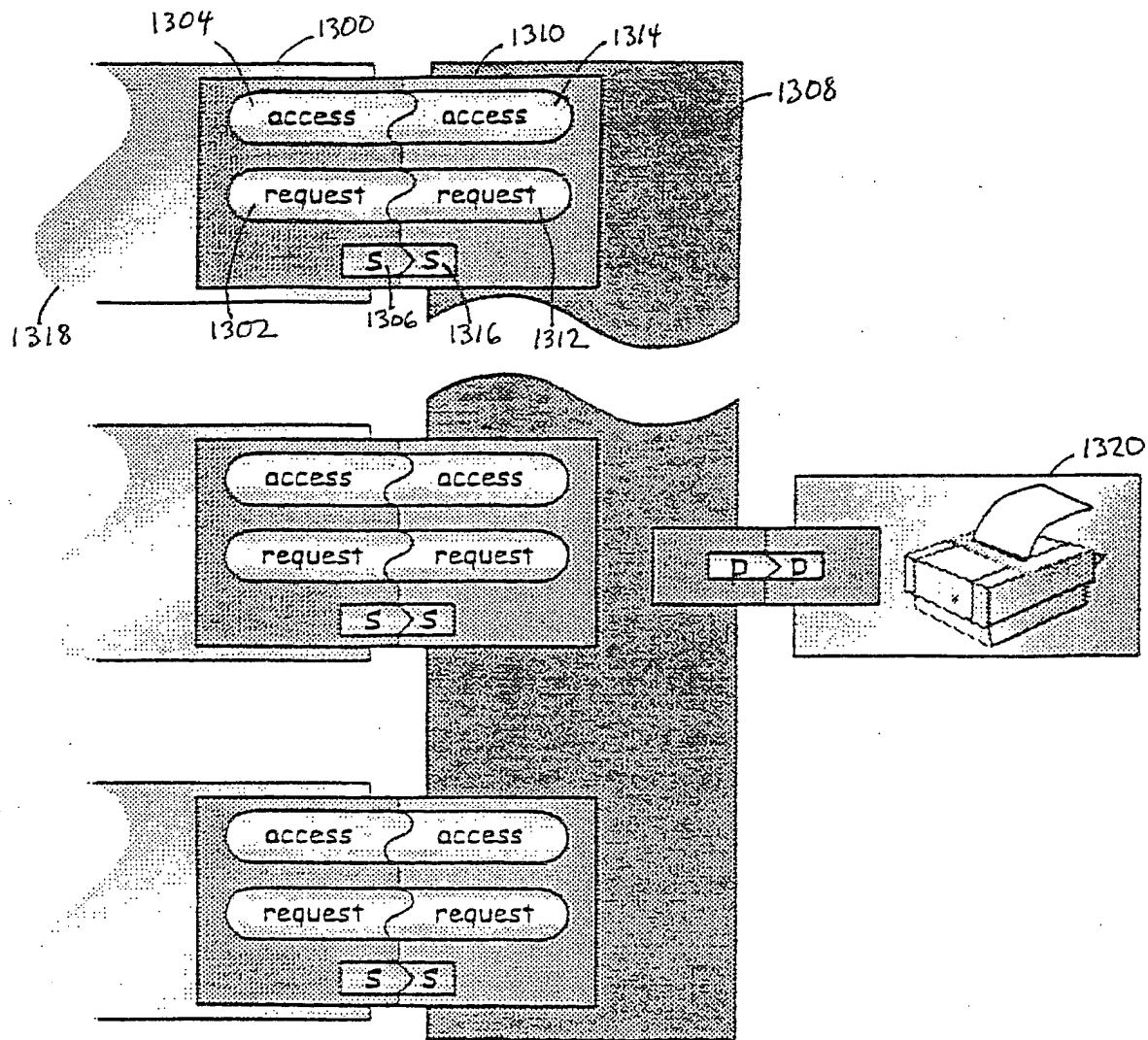


Figure 13

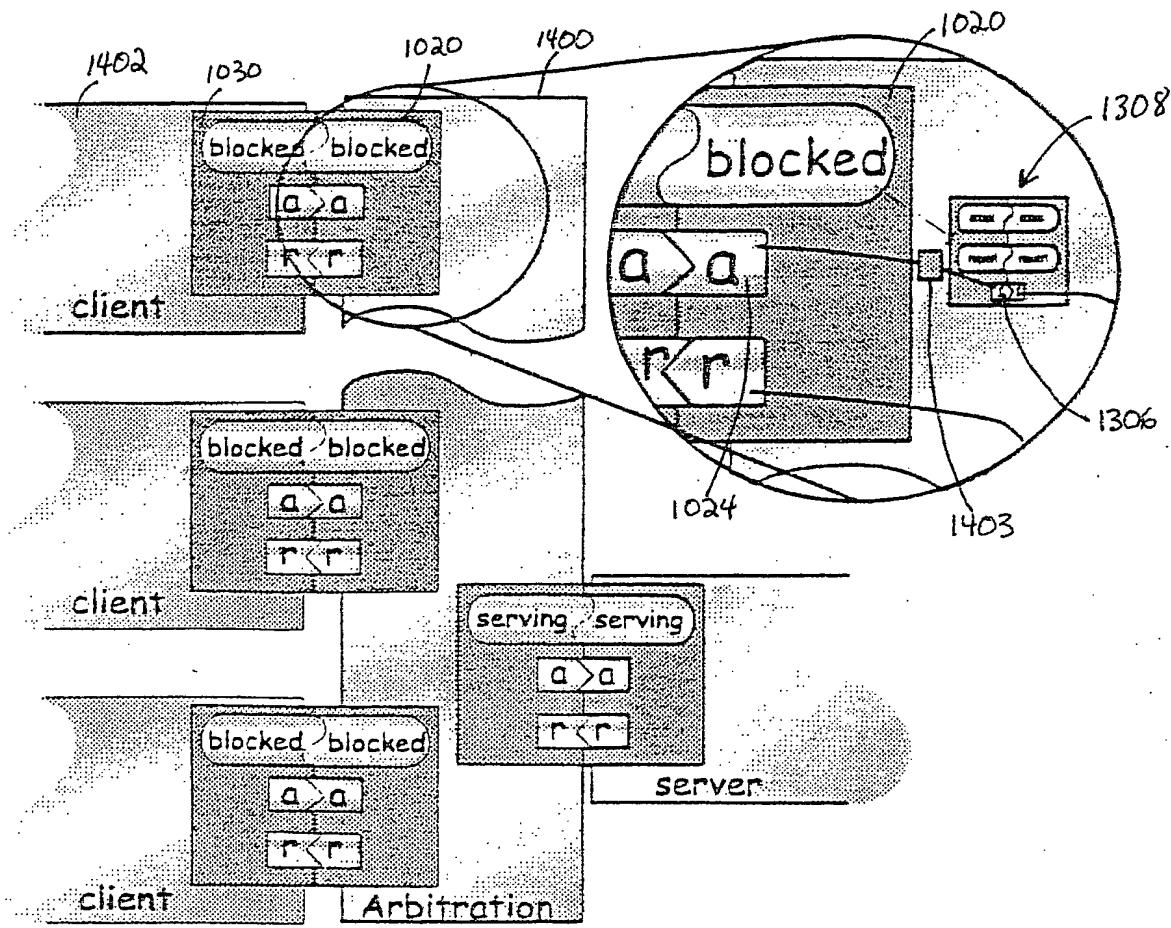


Figure 14

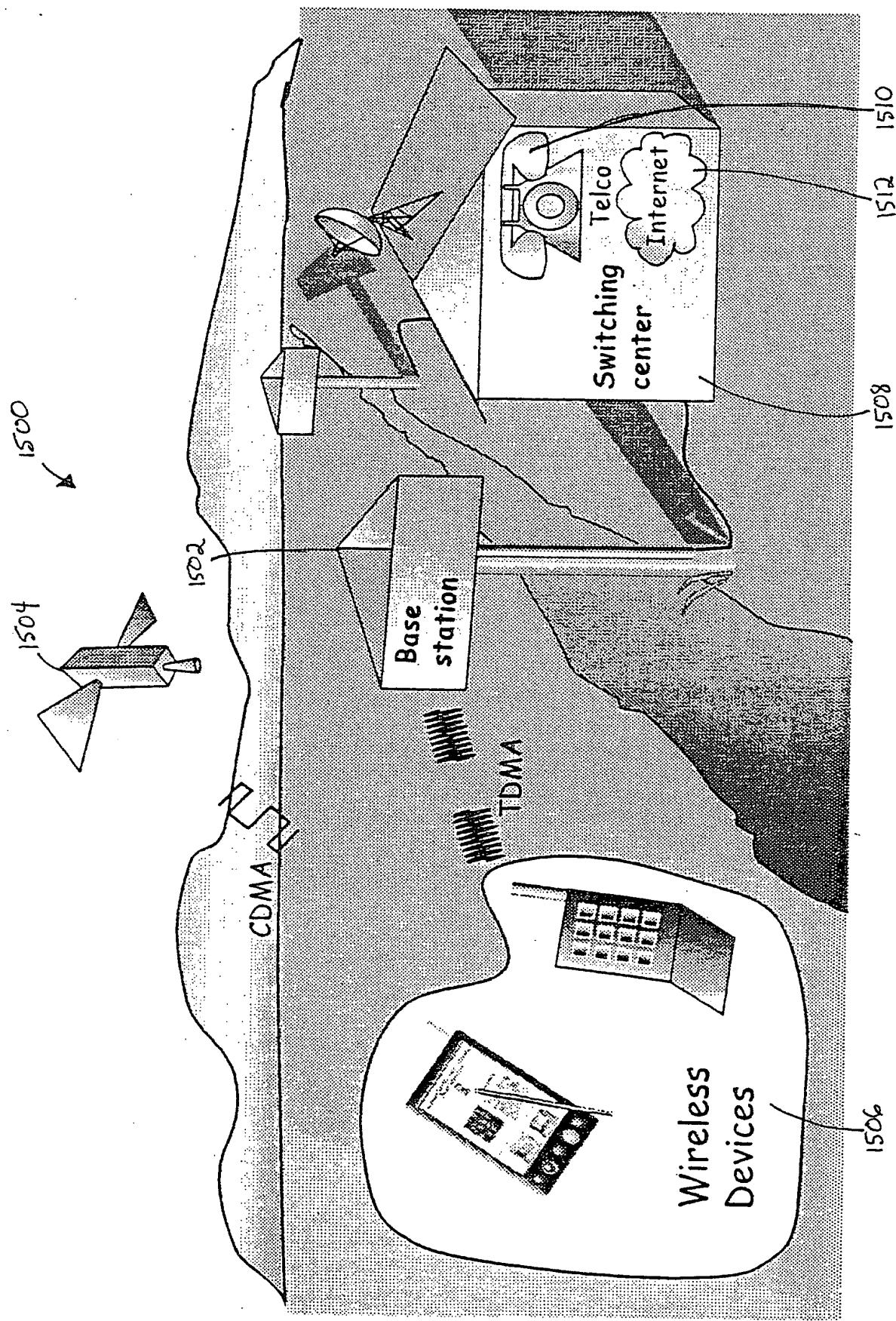


Figure 15

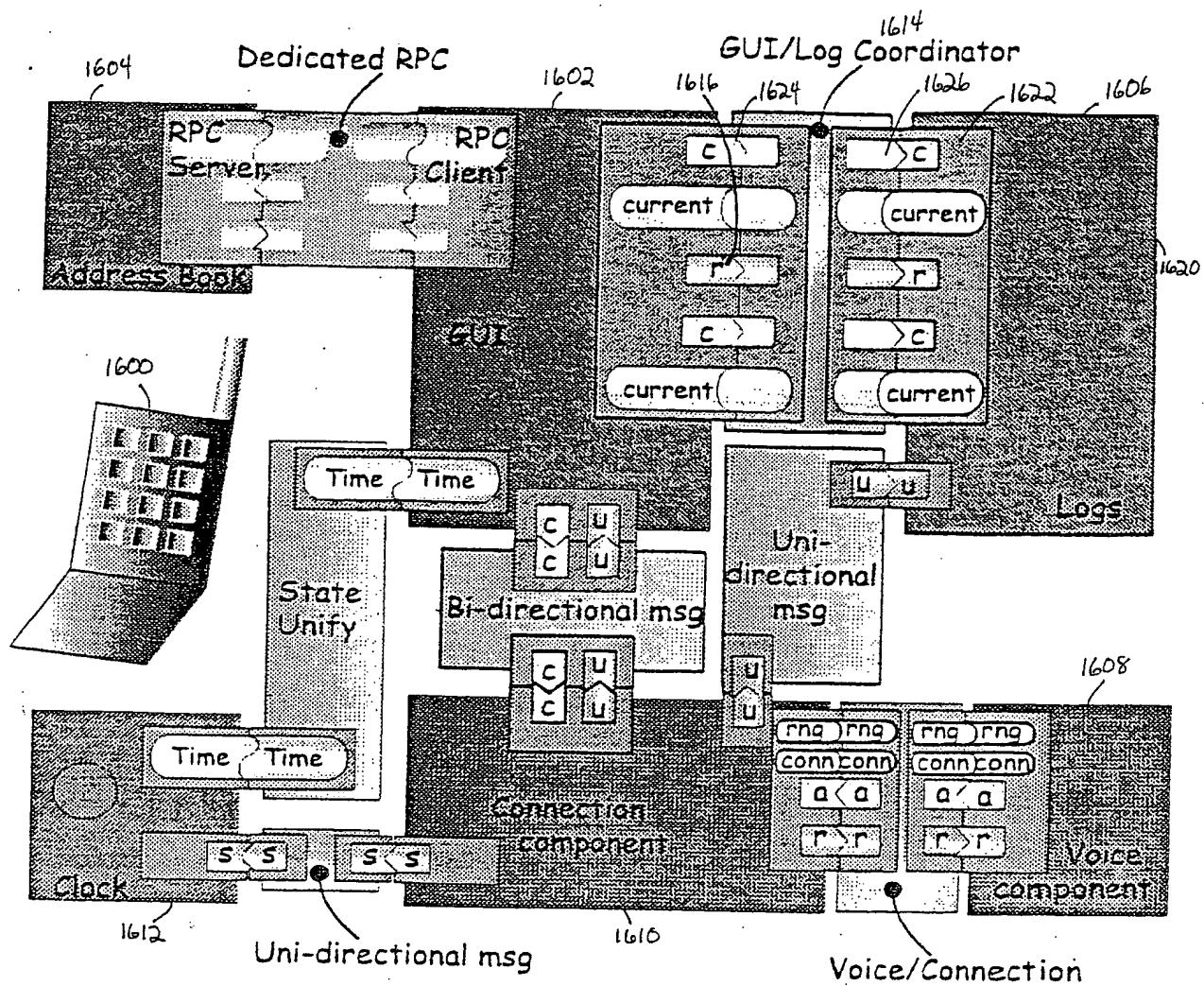


Figure 16

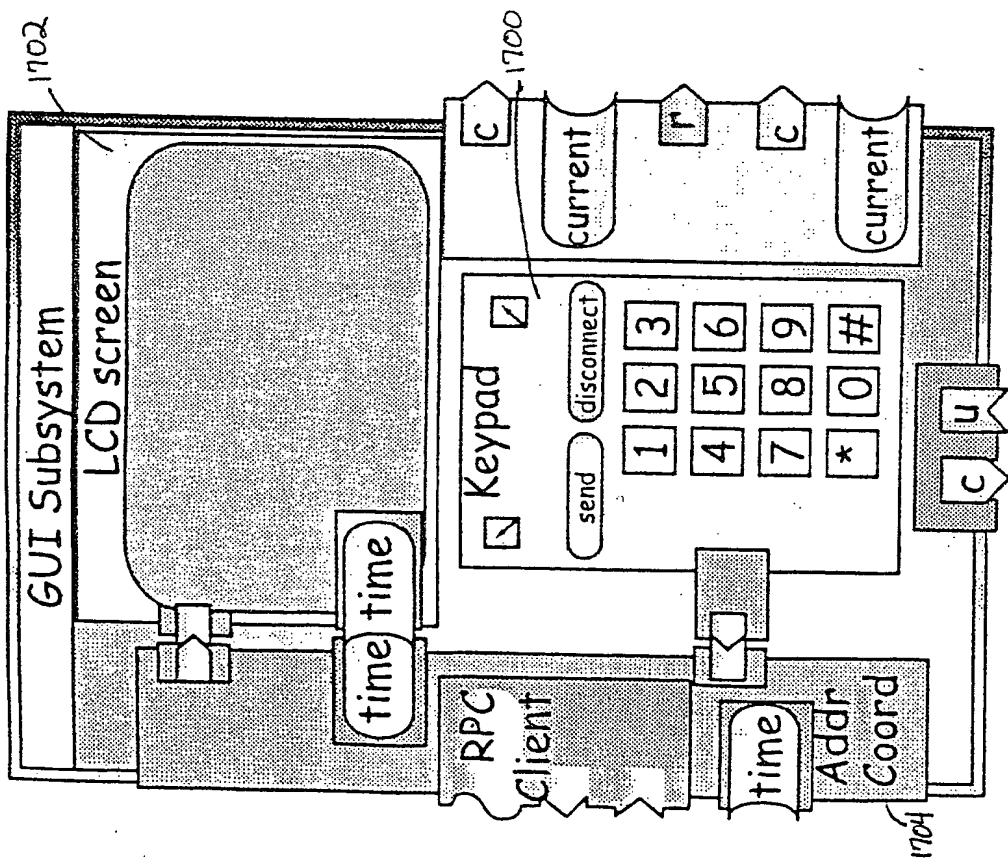


Figure 17A

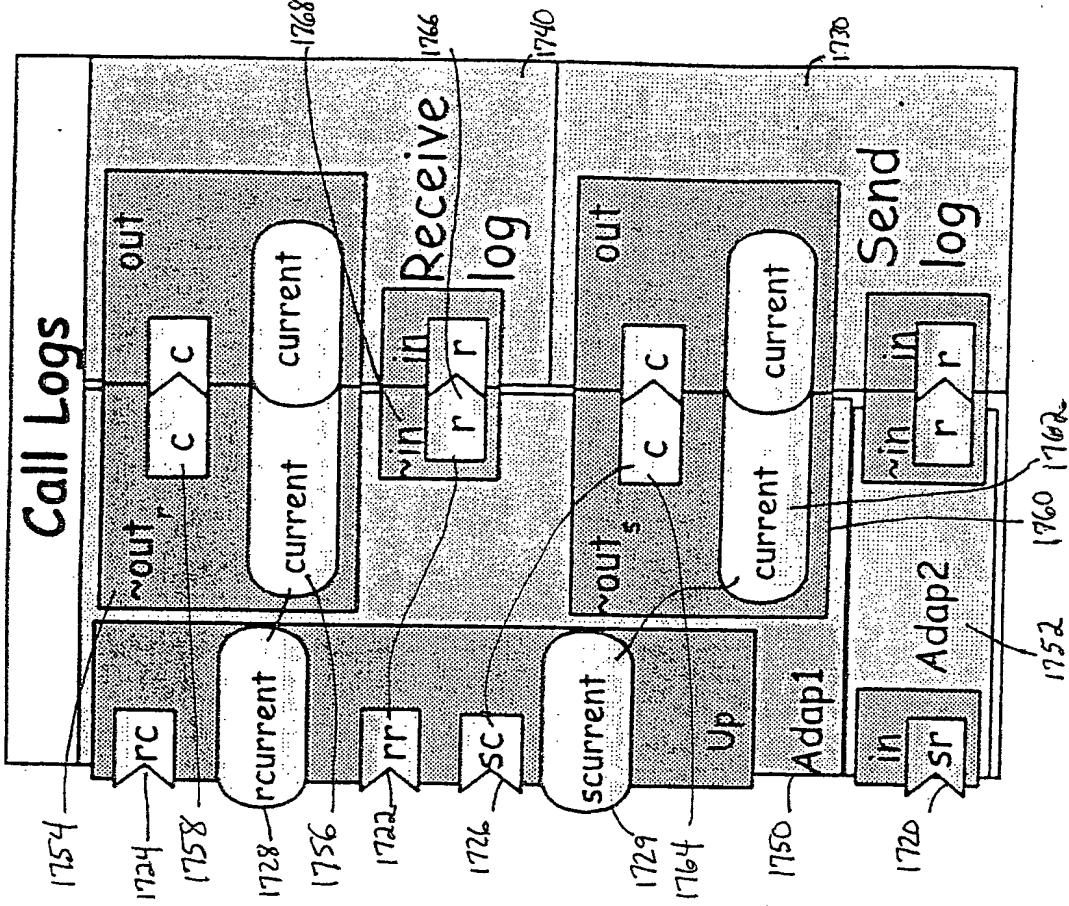


Figure 17B

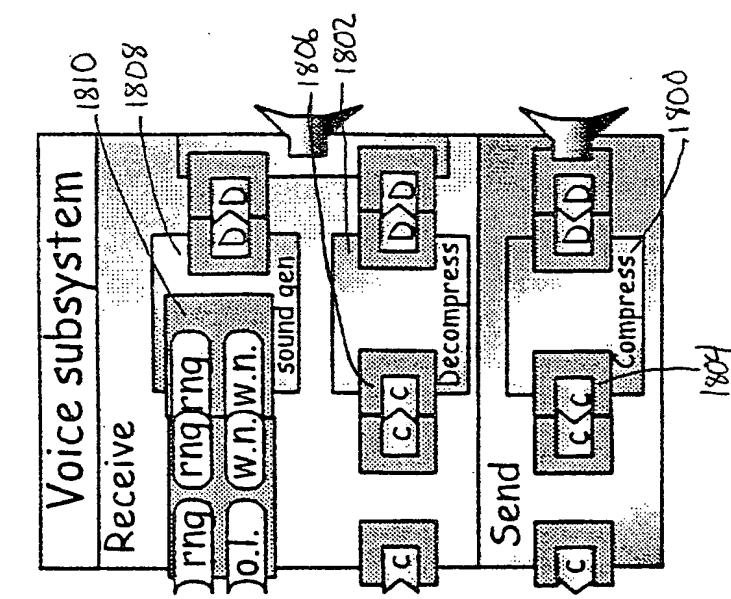


Figure 18A

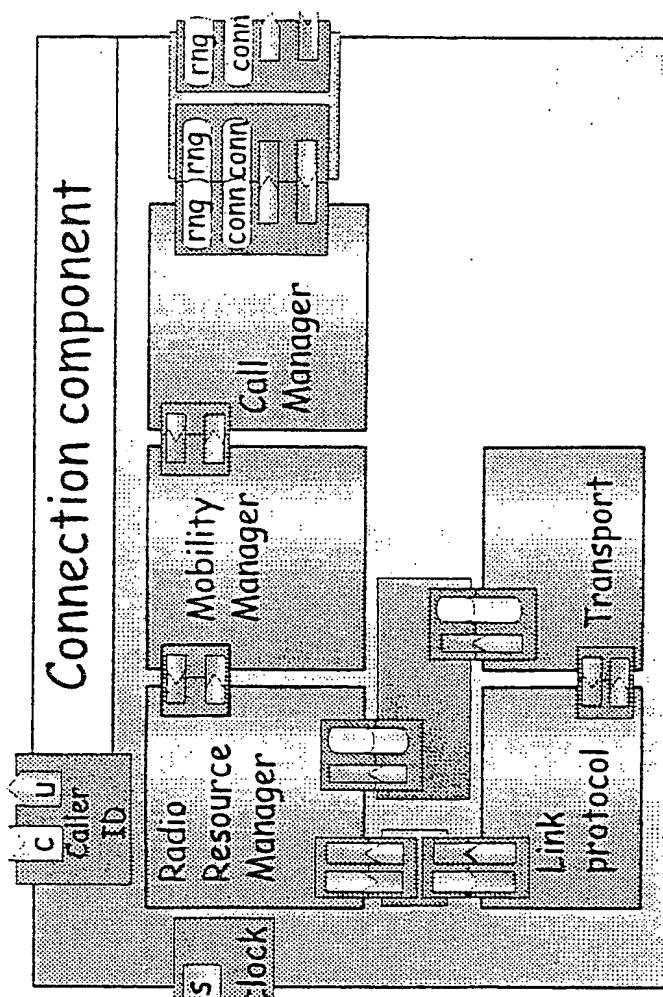


Figure 18B

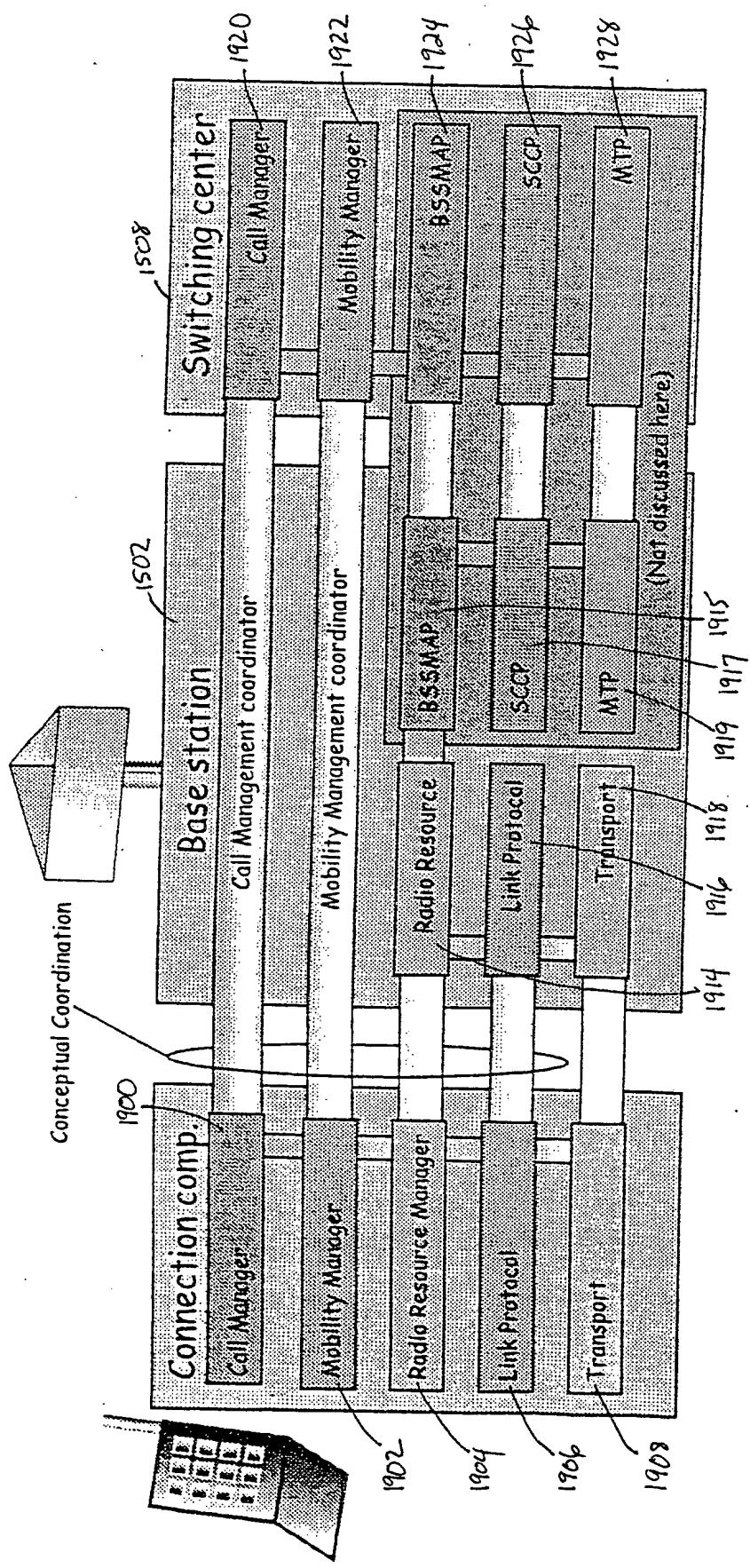


Figure 19

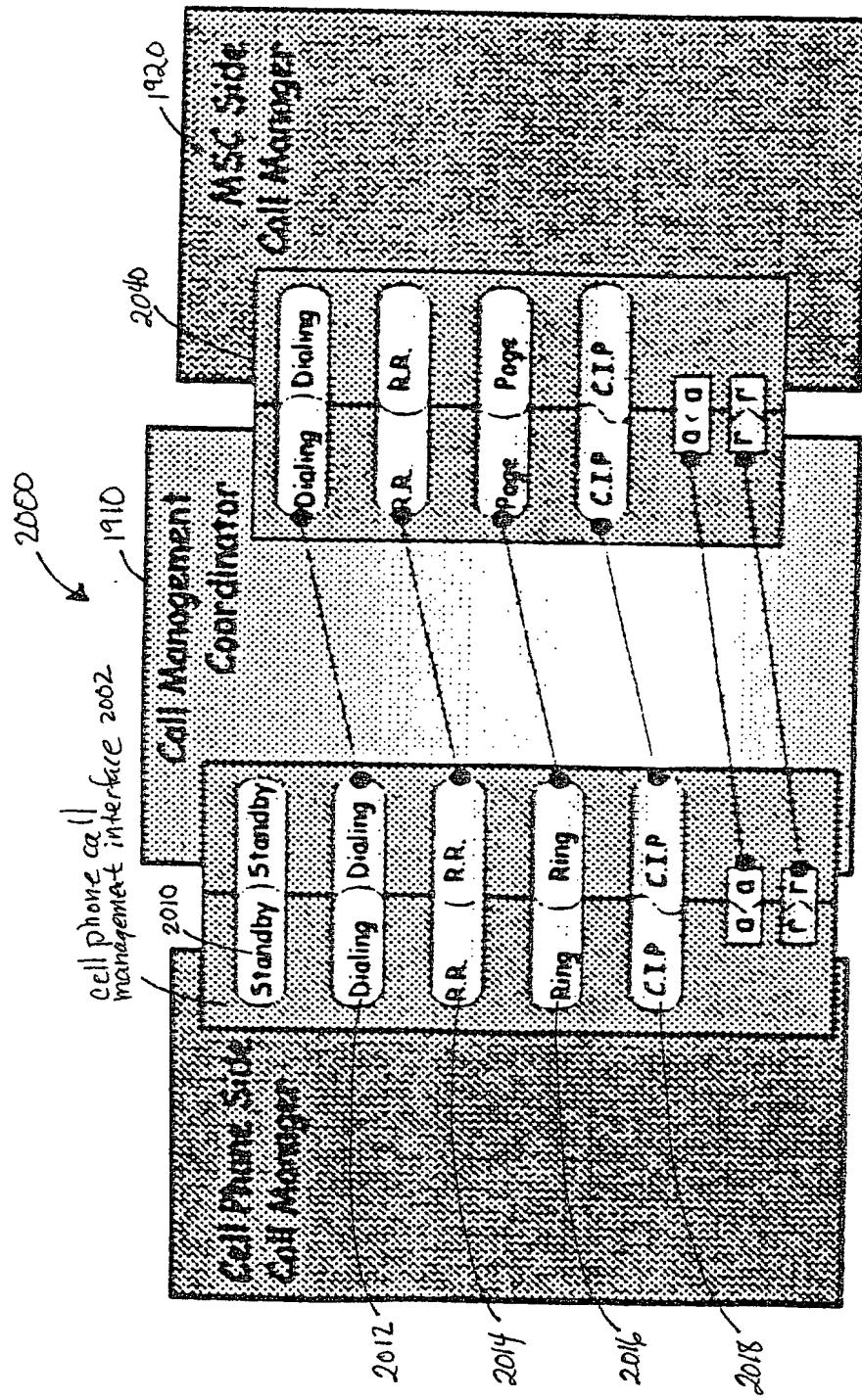


Figure 20

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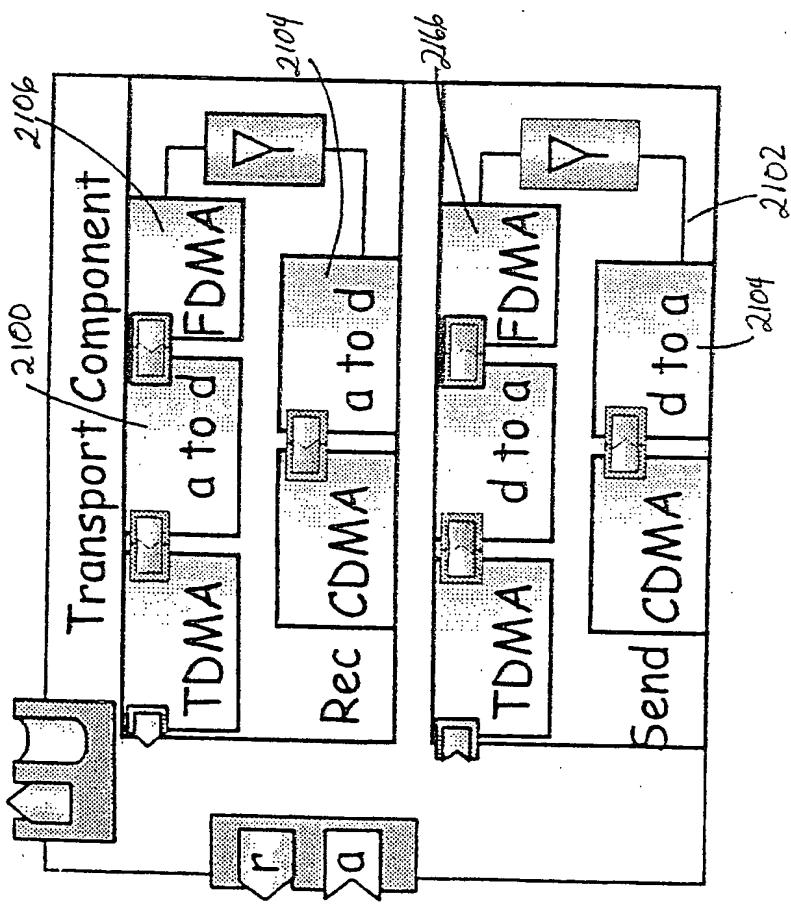


Figure 21A

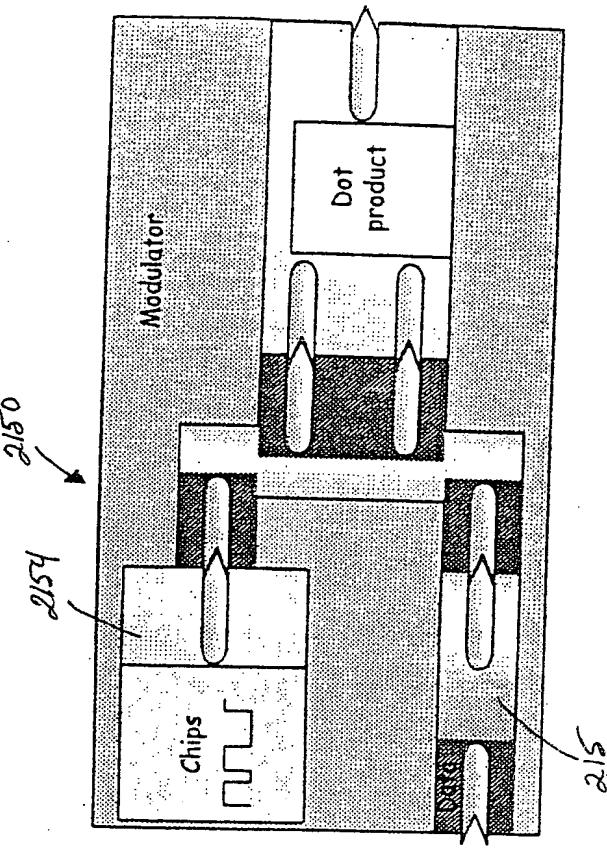


Figure 21B

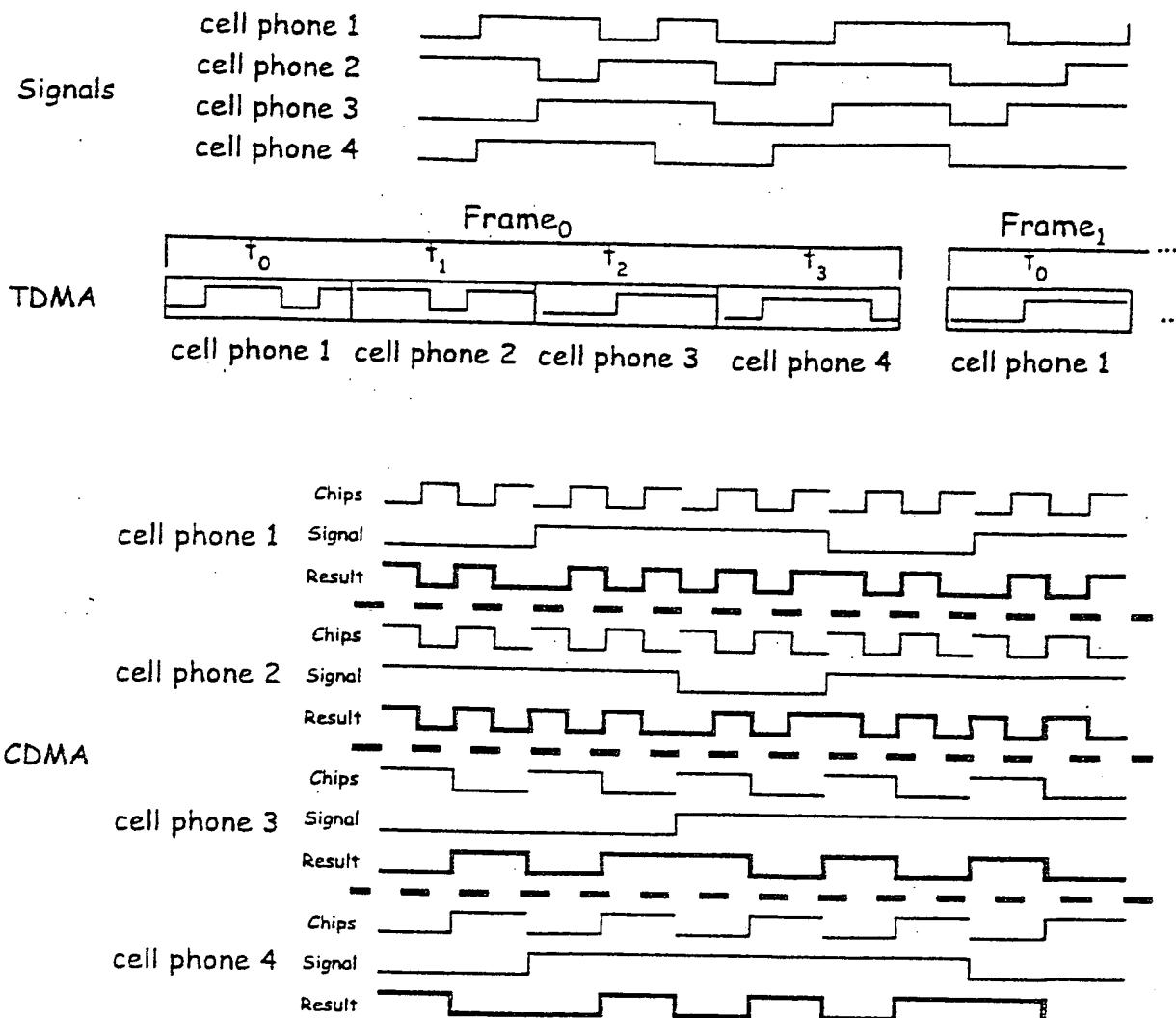


Figure 22

102400-102400-102400

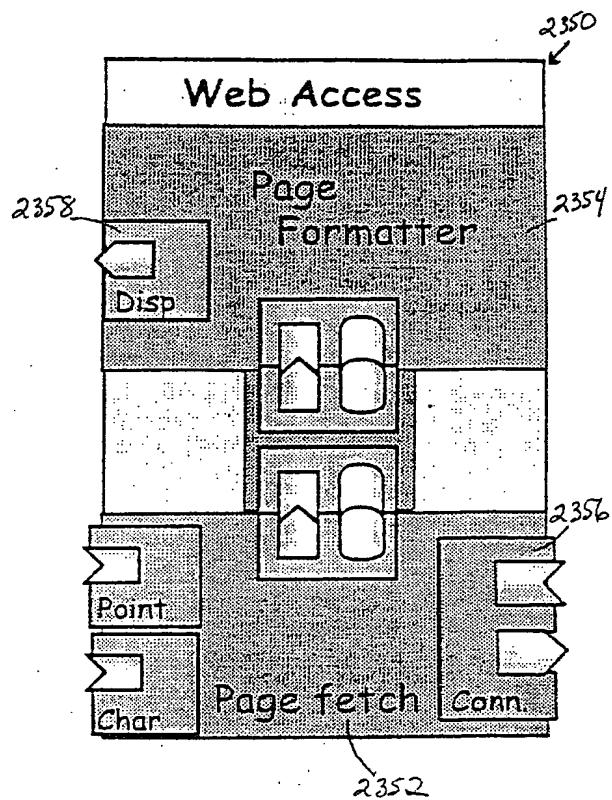
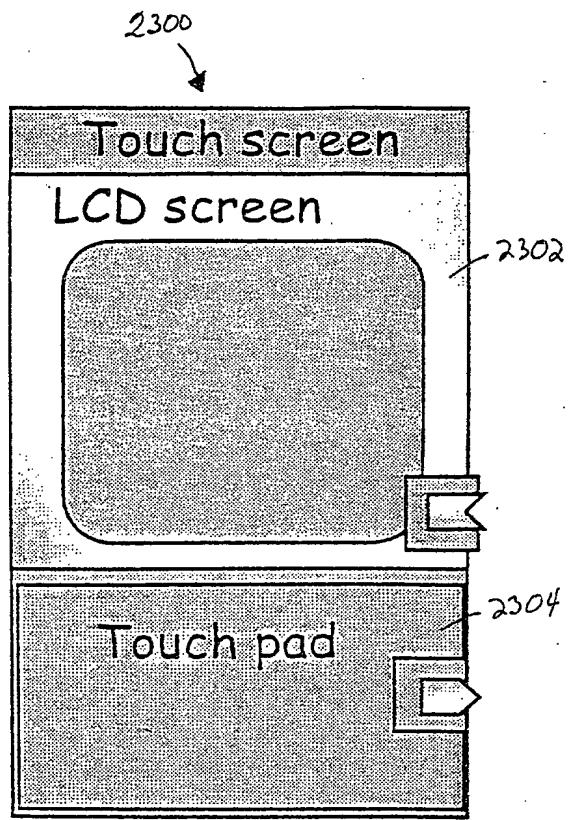


Figure 23A

Figure 23B

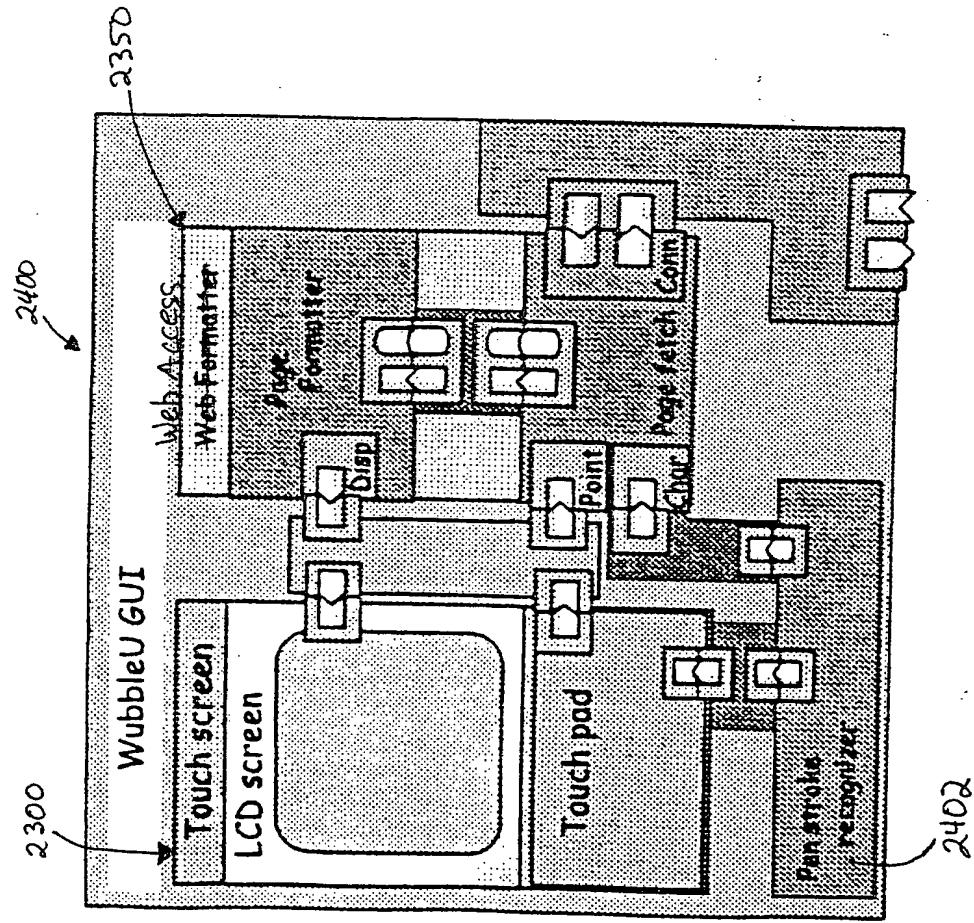


Figure 24A

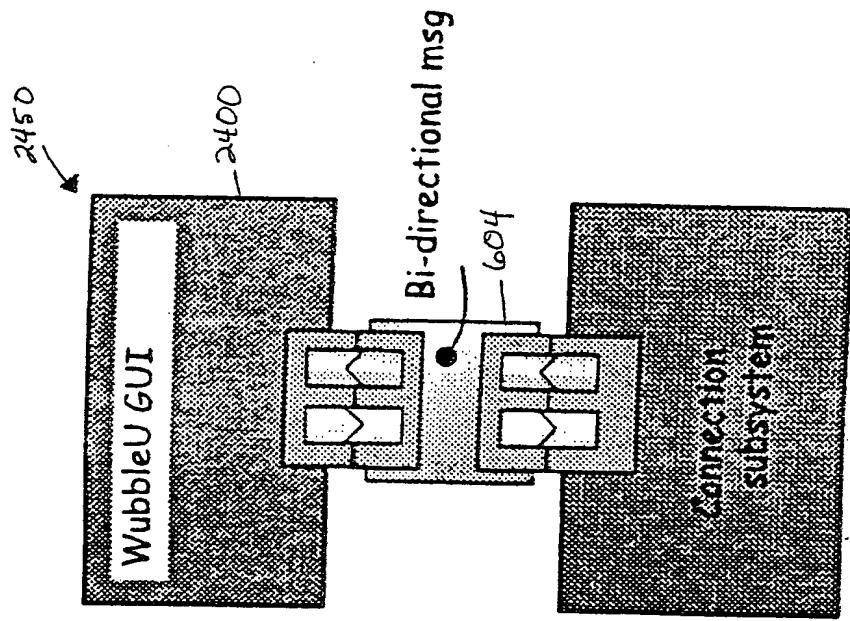


Figure 24B

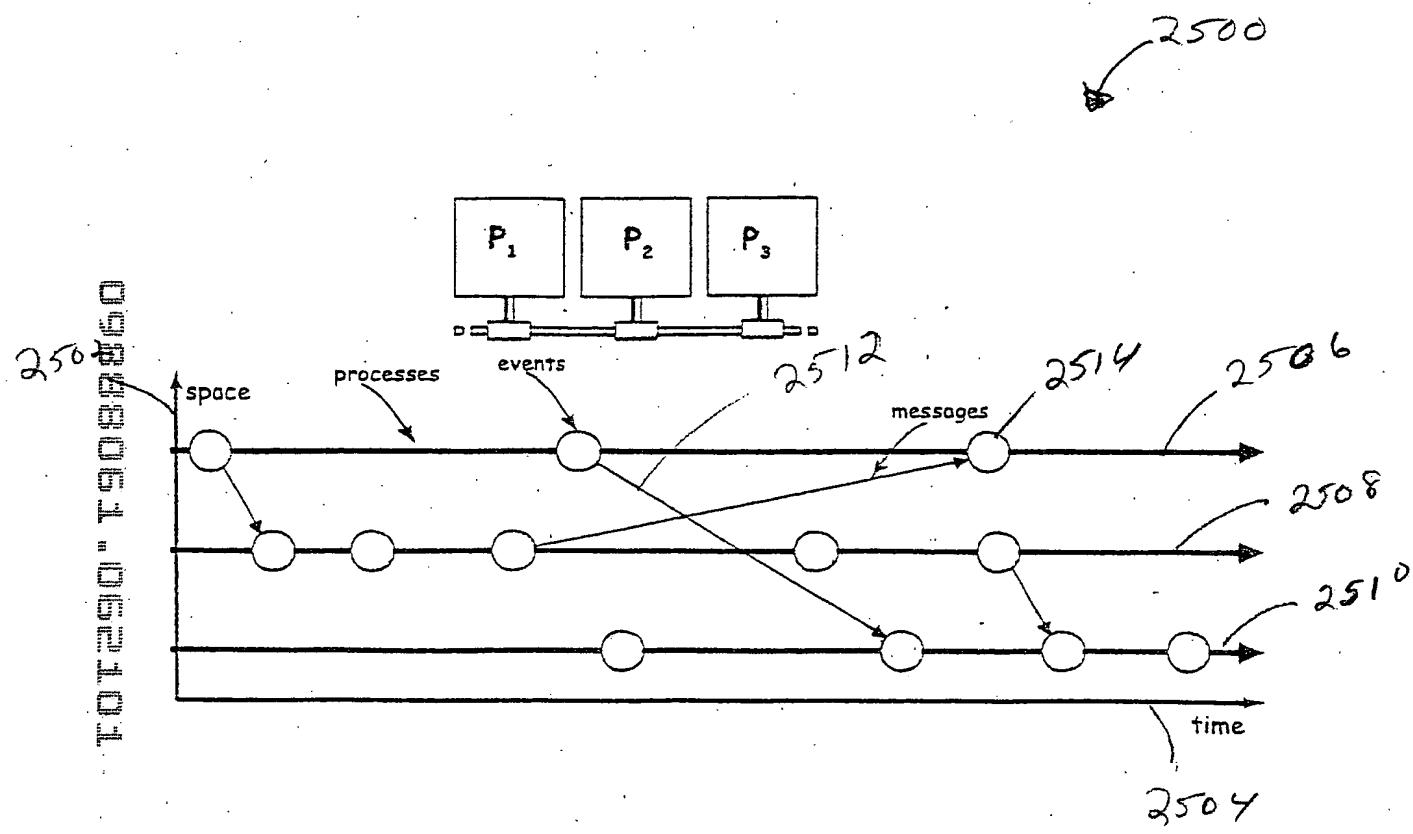


Figure 25

(prior art)

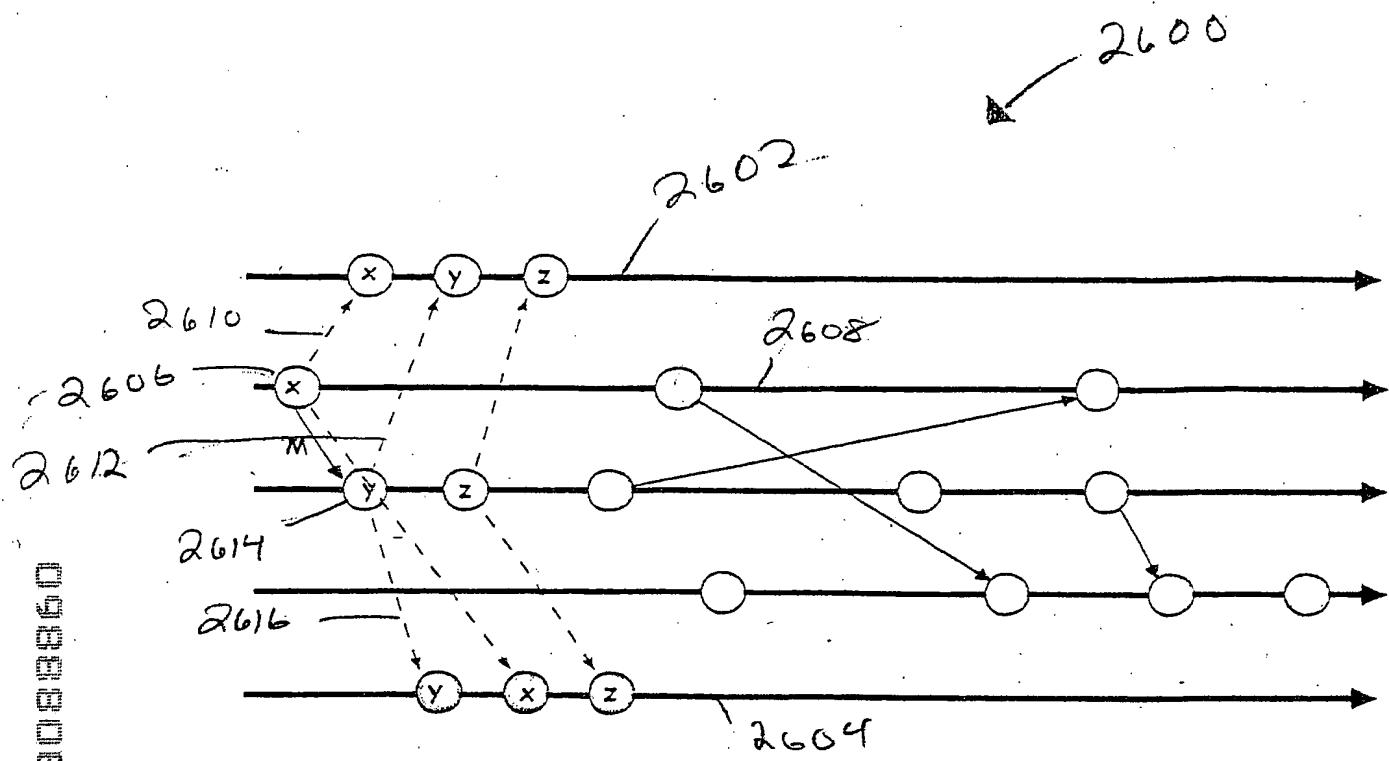


Figure 26

(prior art)

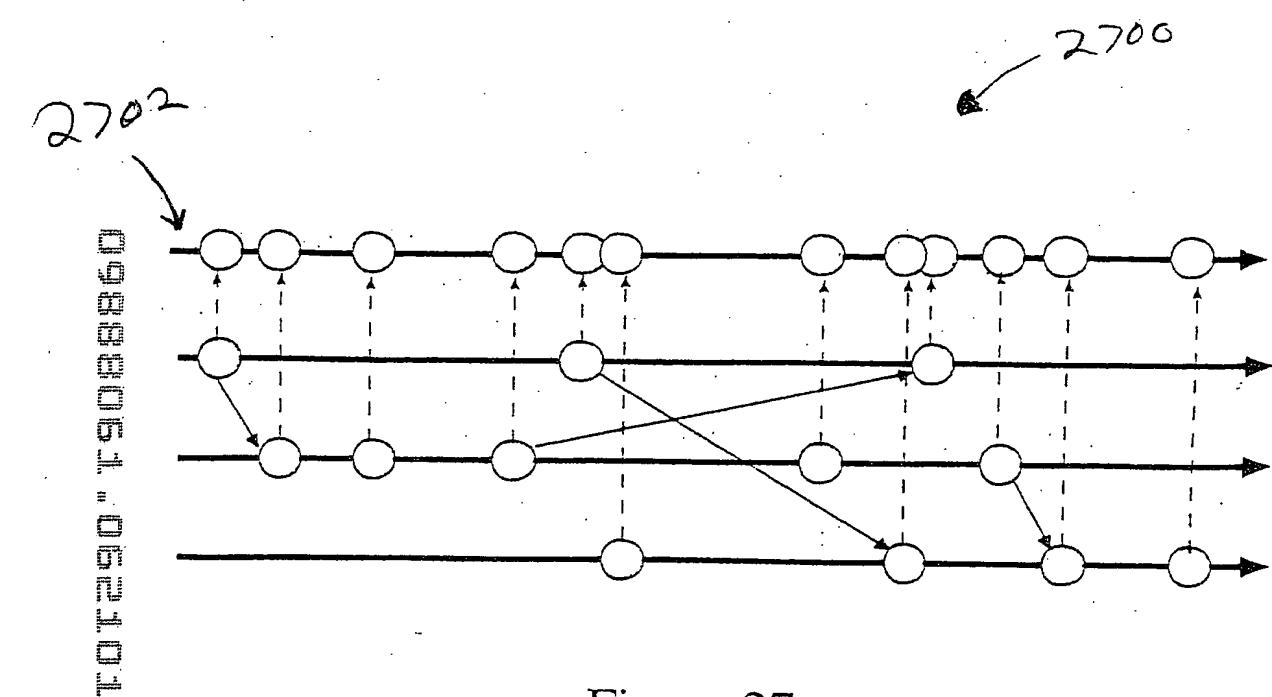


Figure 27

(prior art)

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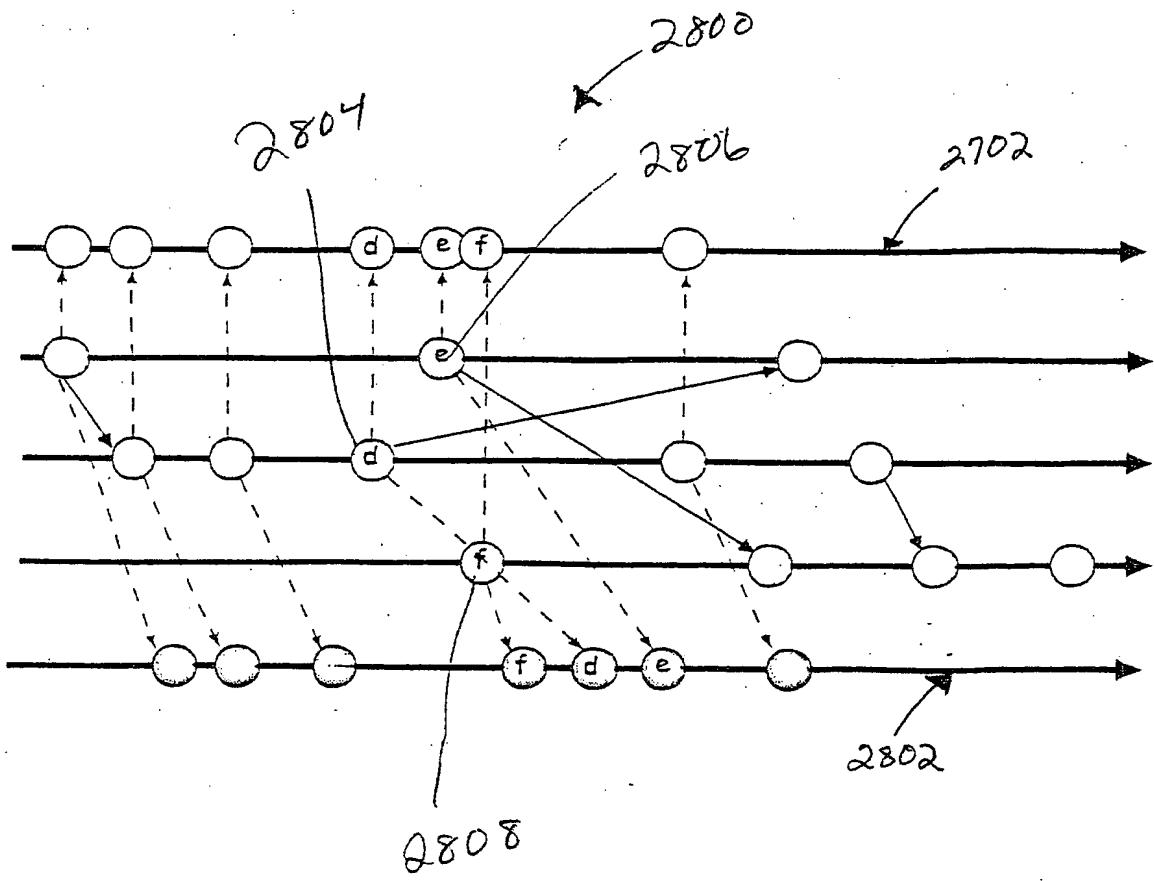


Figure 28

(prior art)

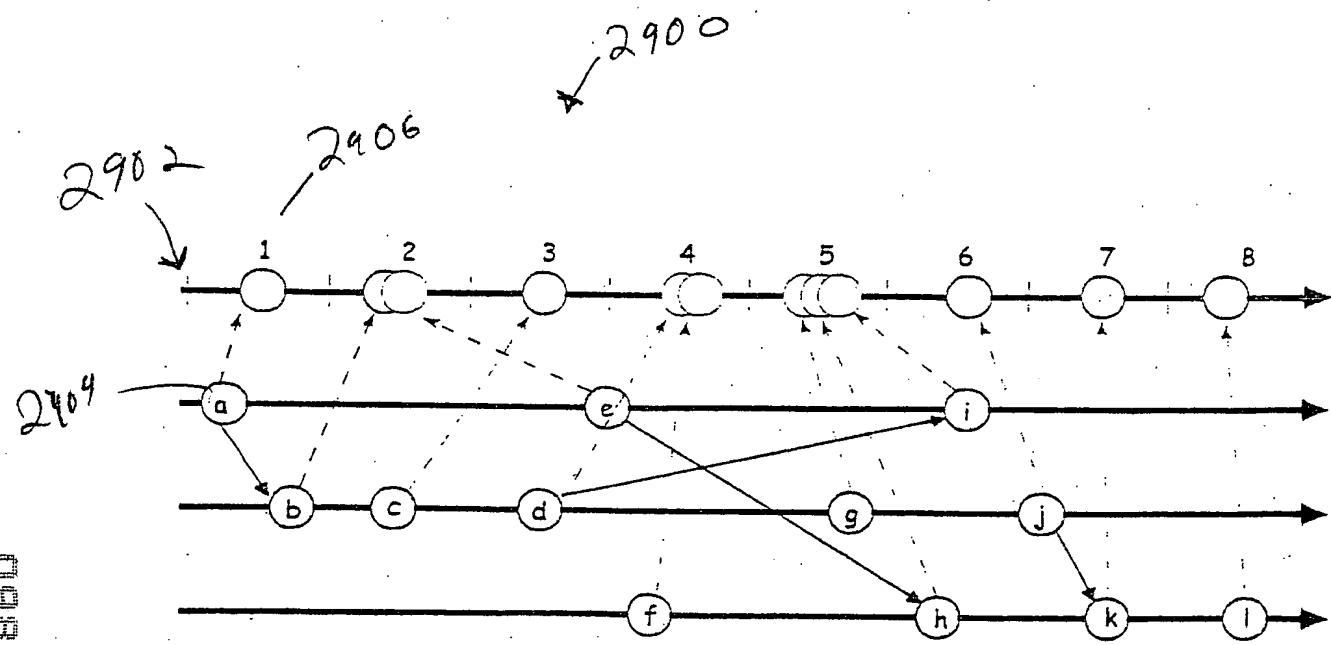


Figure 29

(prior art)

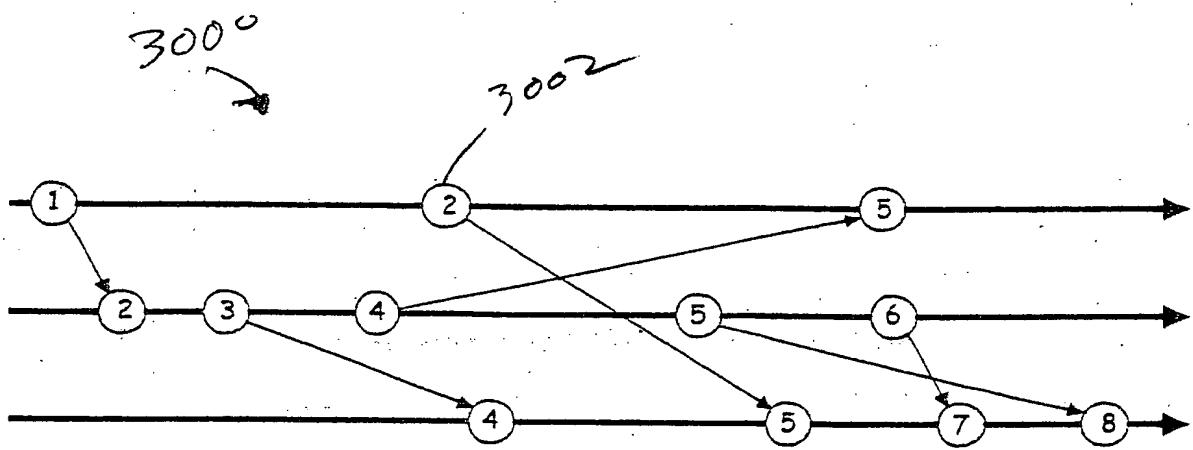


Figure 30

(prior art)

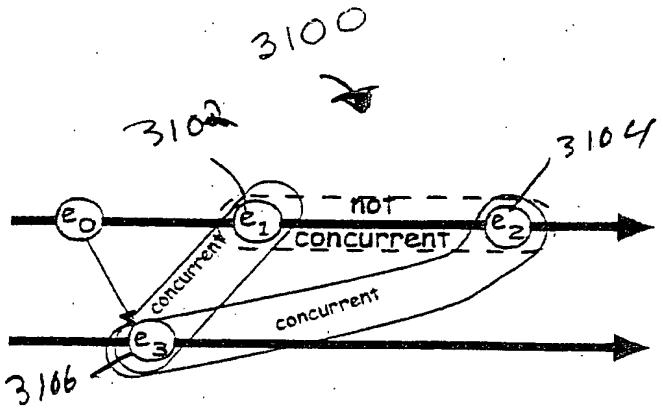


Figure 31

(prior art)

320°

3202

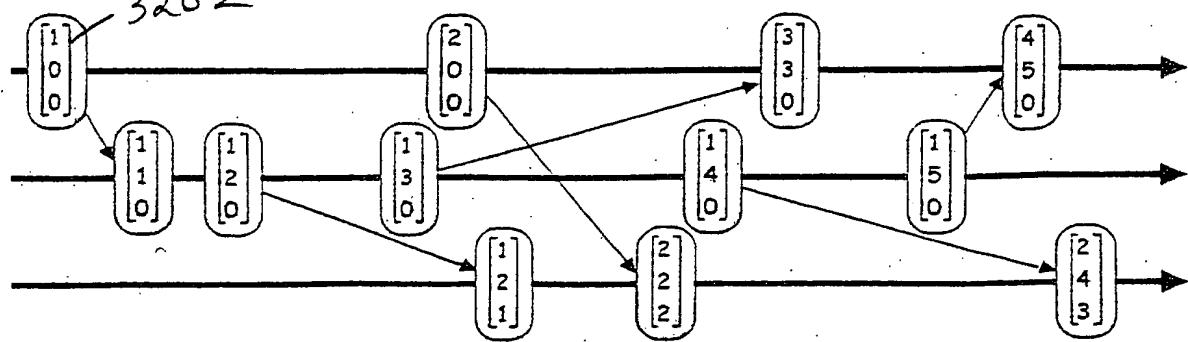


Figure 32

(prior art)

3300

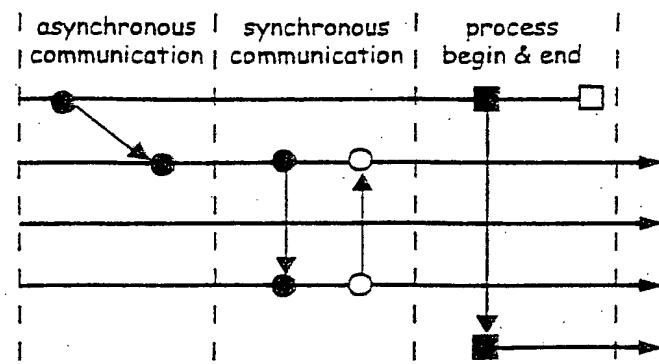


Figure 33

(prior art)

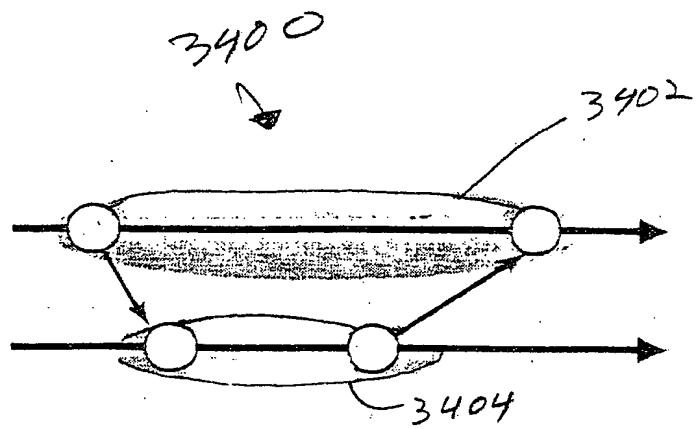


Figure 34

(prior art)

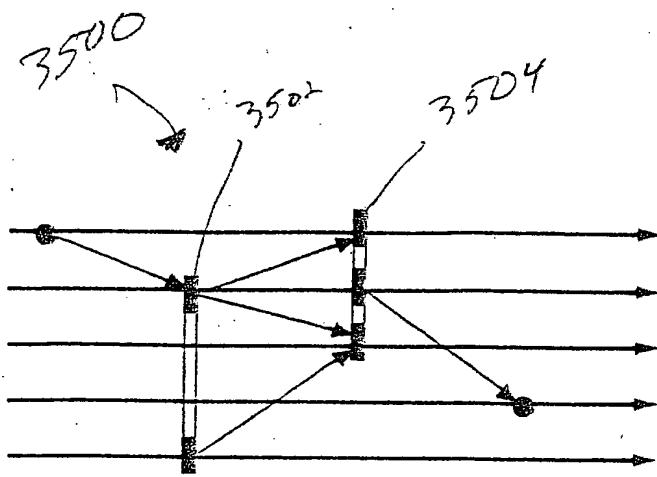


Figure 35

(prior art)

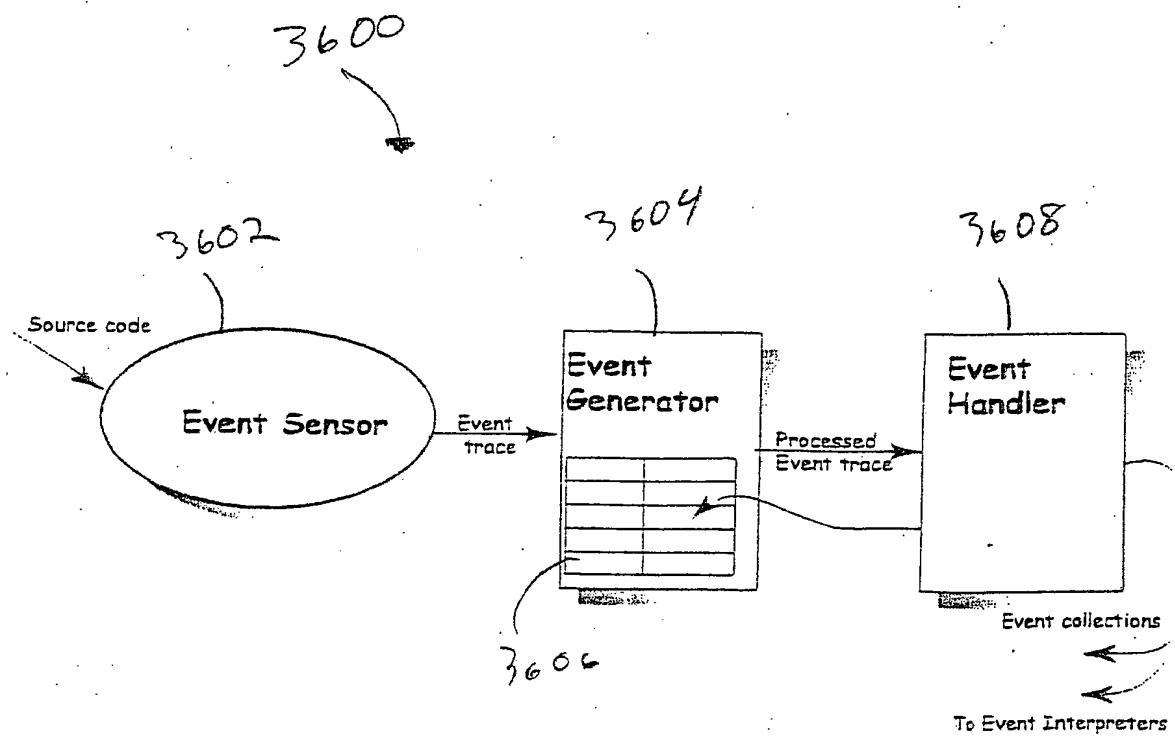


Figure 36

(prior art)

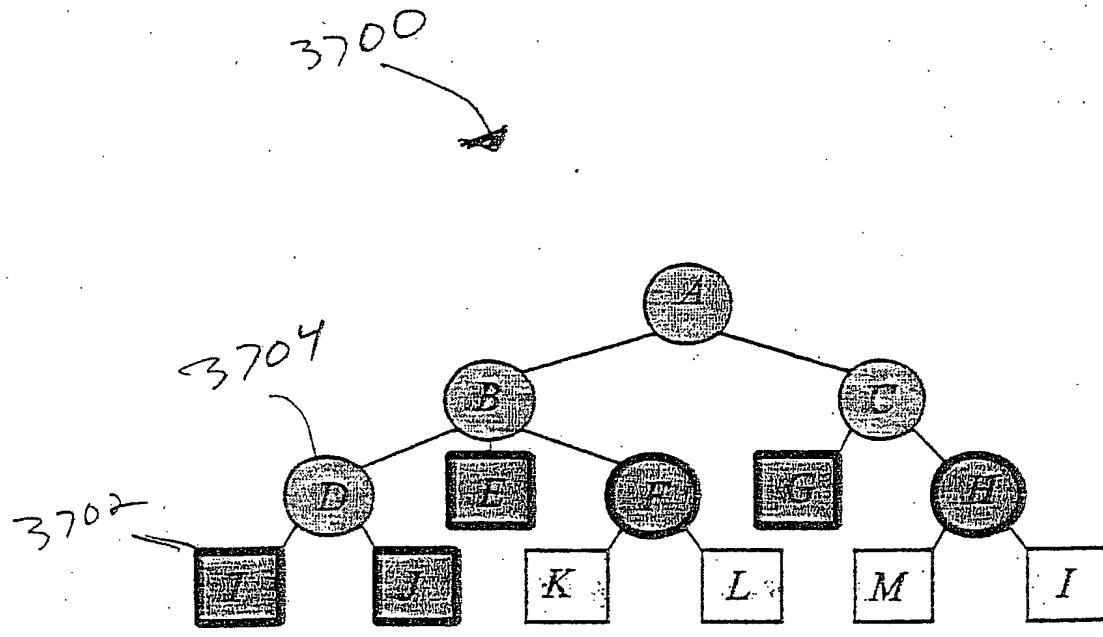
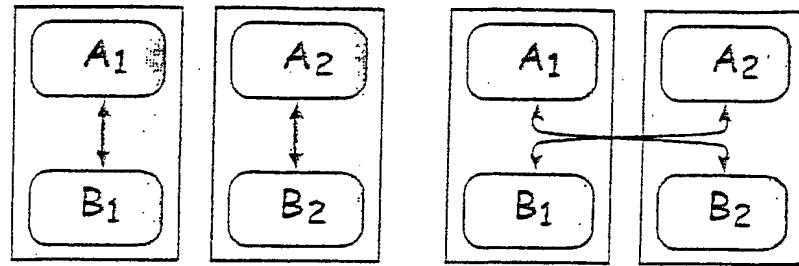
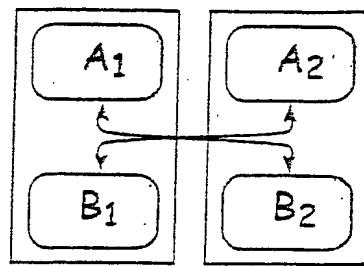


Figure 37

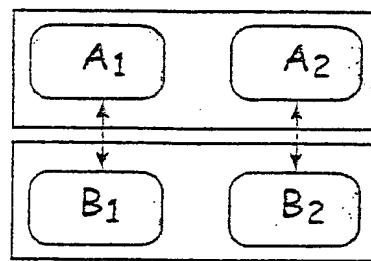
(prior art)



(a) $Cohesion(P) = 1.0$
 $Coupling(P) = 0.5$



(b) $Cohesion(P) = 0.0$
 $Coupling(P) = 1.0$



(c) $Cohesion(P) = 1.0$
 $Coupling(P) = 0.5$

Figure 38

(prior art)

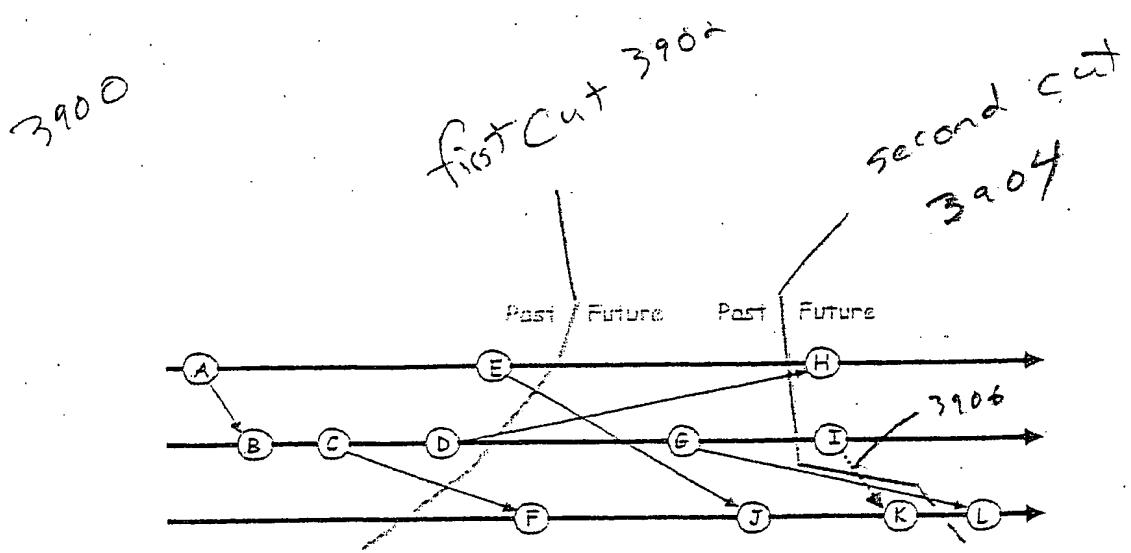


Figure 39

(prior art)

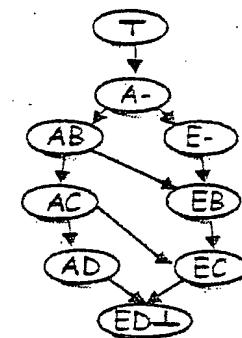
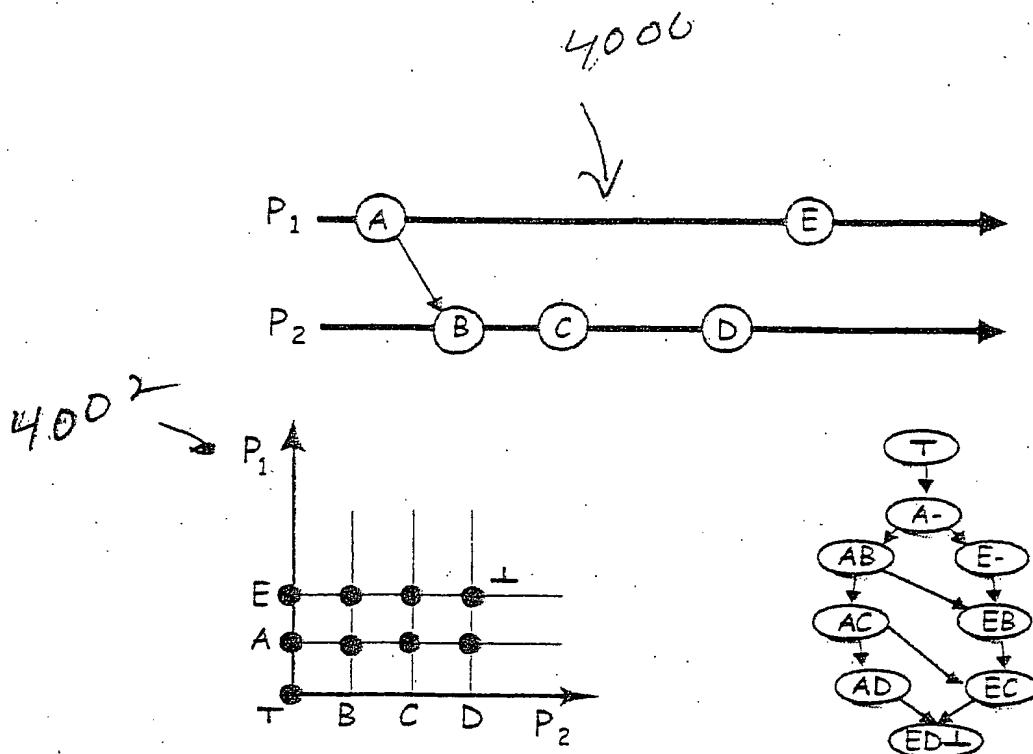


Figure 40

(prior art)

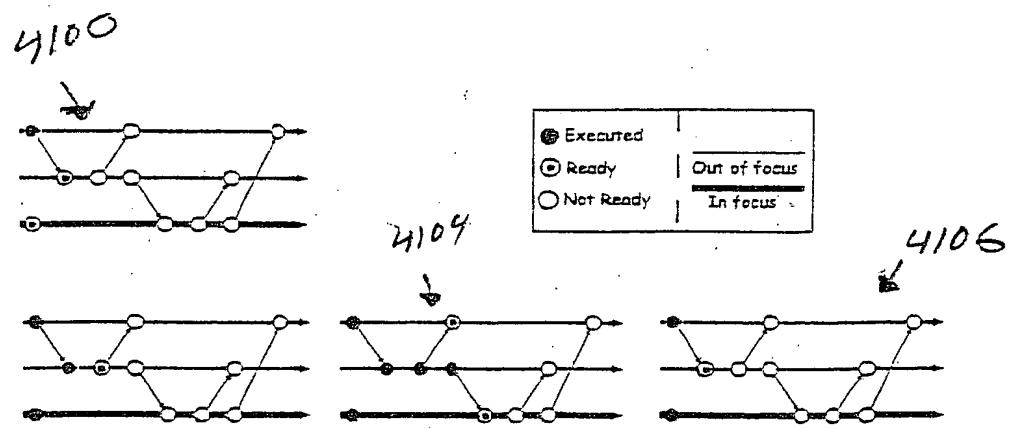


Figure 41

(prior art)

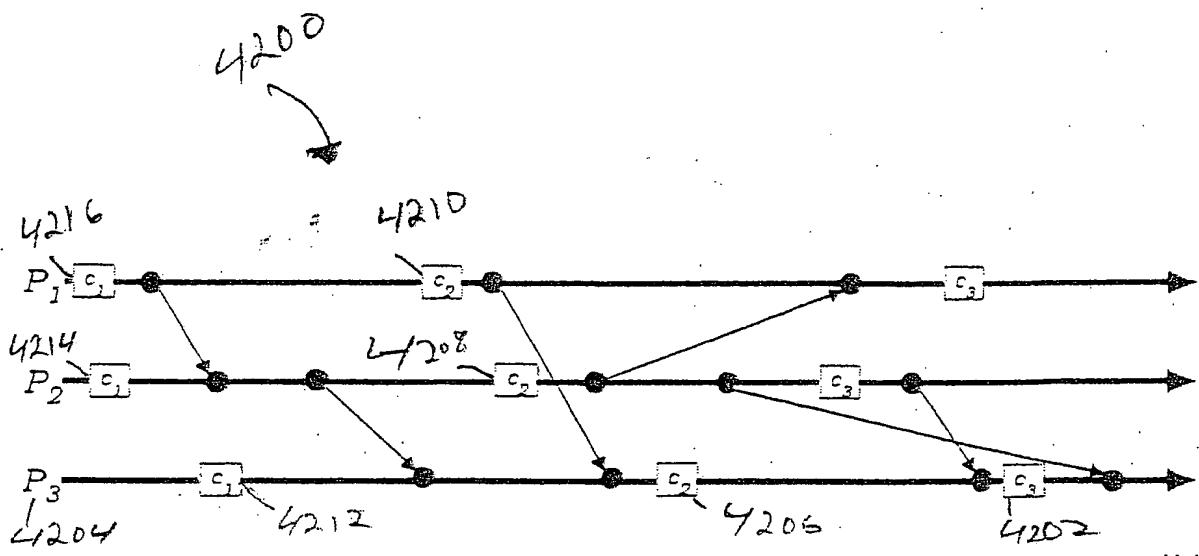


Figure 42

(prior art)

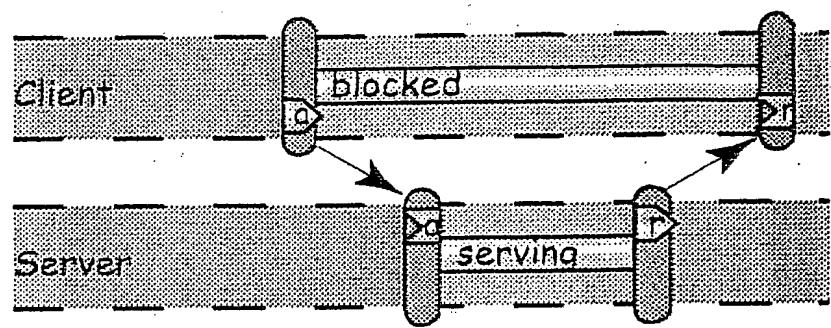
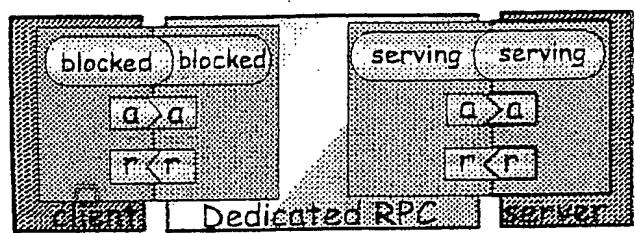


Figure 43

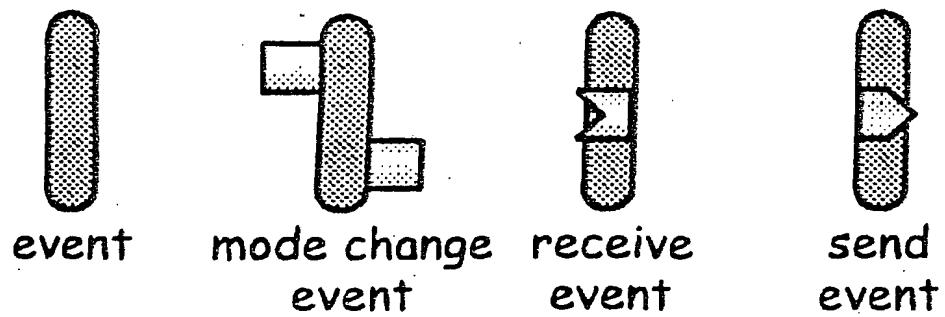


Figure 44

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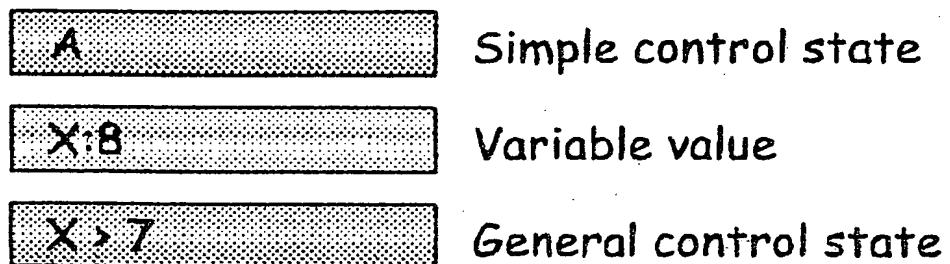


Figure 45

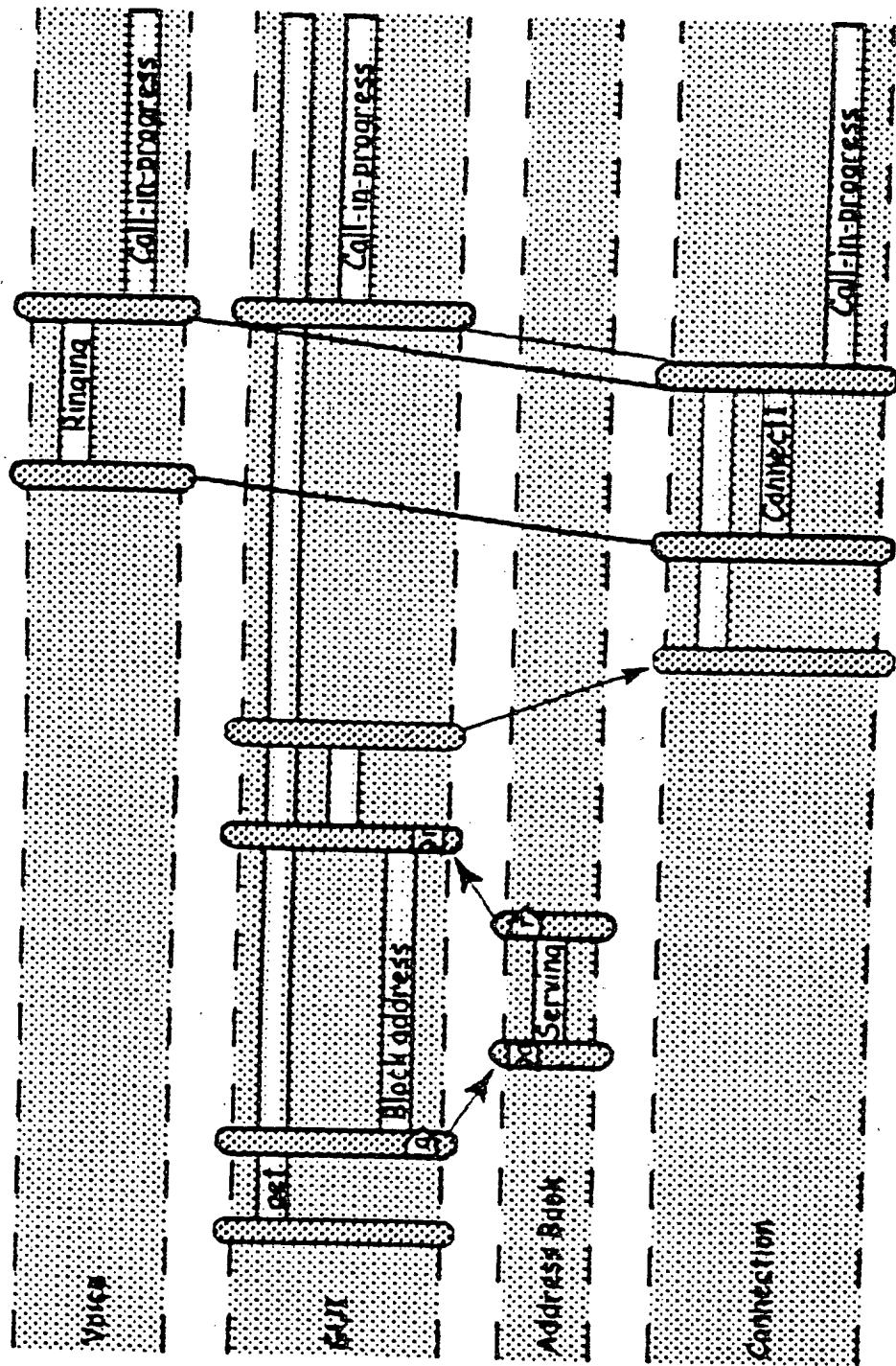


Figure 46

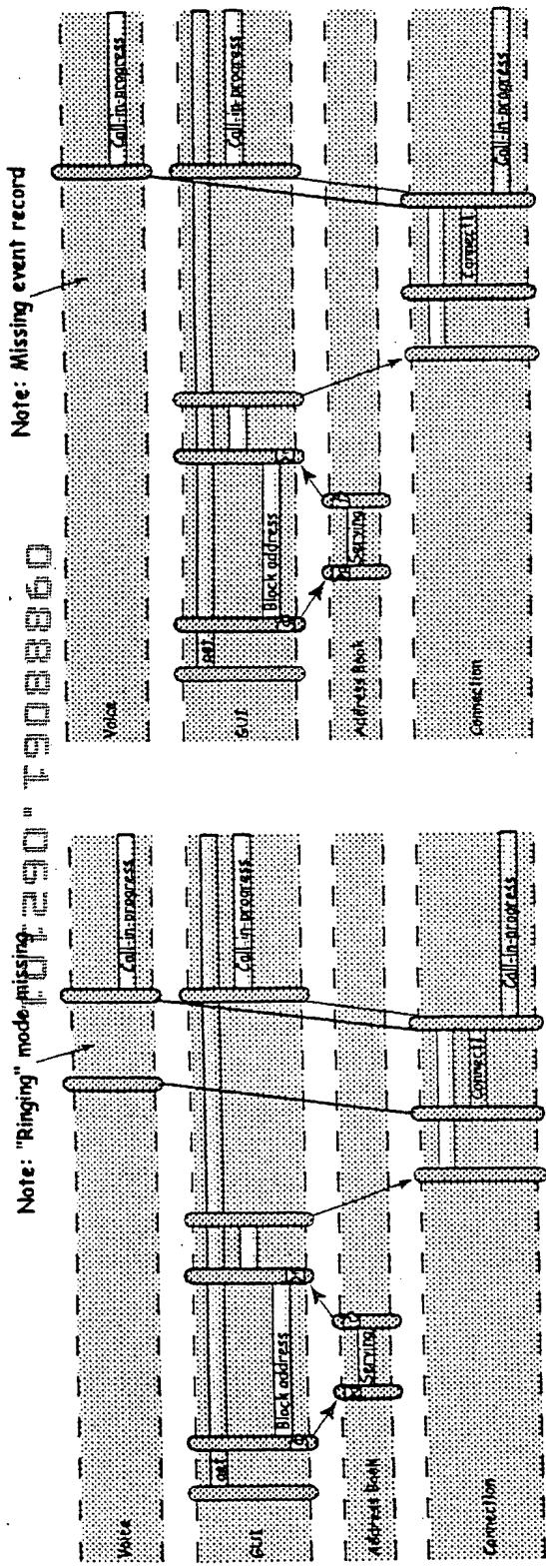


Figure 47A

Figure 47B

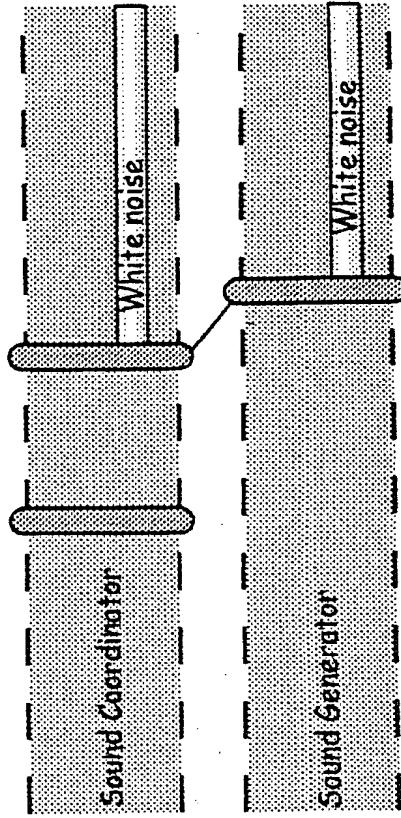


Figure 48

```
if (resourceName ==  
    REQUEST_GRANTED)  
    sendToClient();  
else {  
    sendToClient();  
    ...  
}
```

```
...  
sendToClient();  
while (!new(N));  
...  
if (new(N))  
    performAction();  
sendToClient();  
...  
}
```

```
...  
sendToClient();  
while (!new(N));  
c = get(N);  
...  
if (c == REQUEST_GRANTED)  
    ...  
    ...  
    sendToClient();  
    ...  
}
```

Network Interface

X

Y

Figure 49

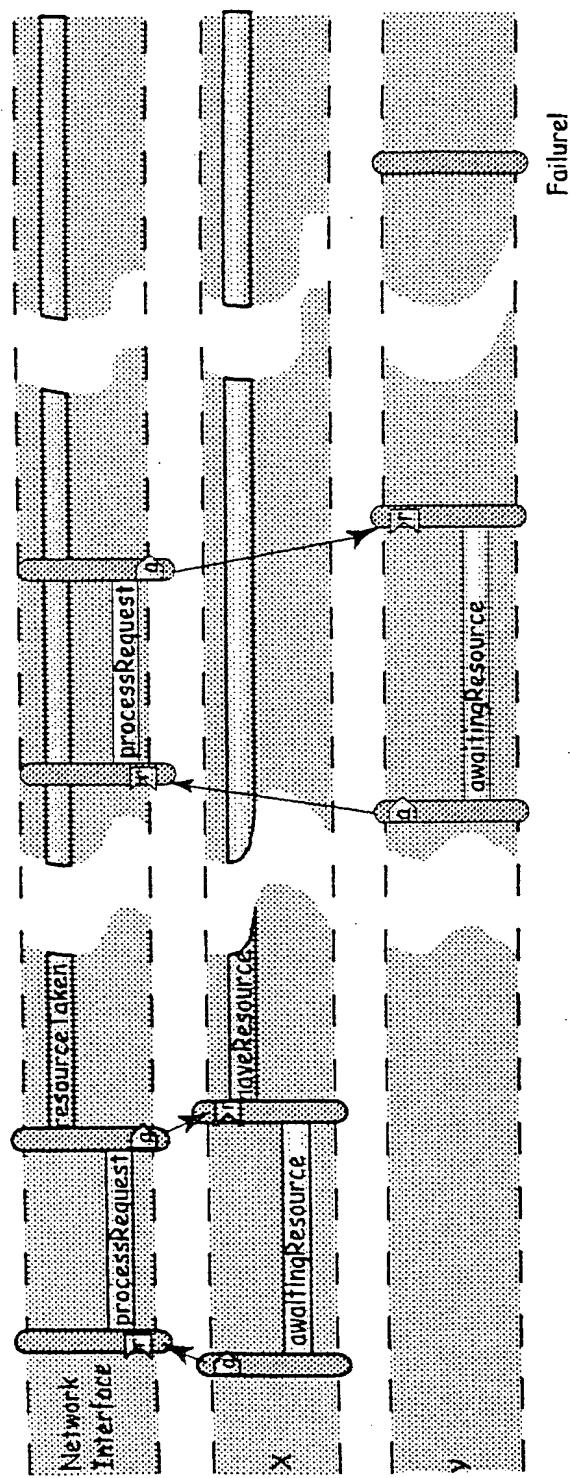


Figure 50

09888061.062101

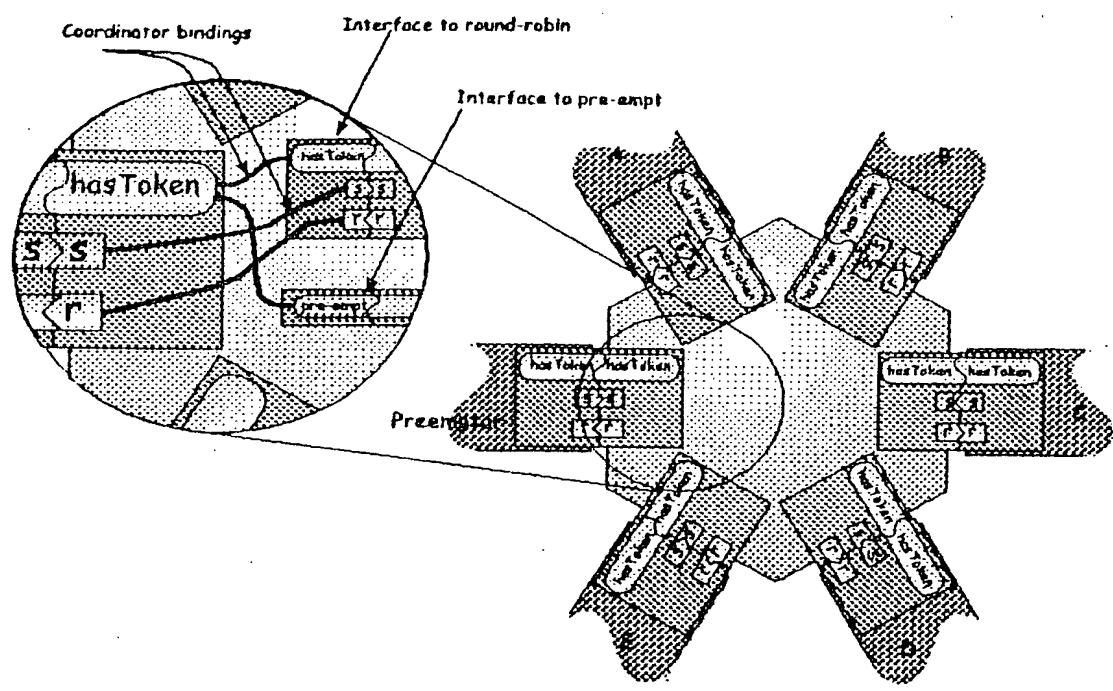


Figure 51A

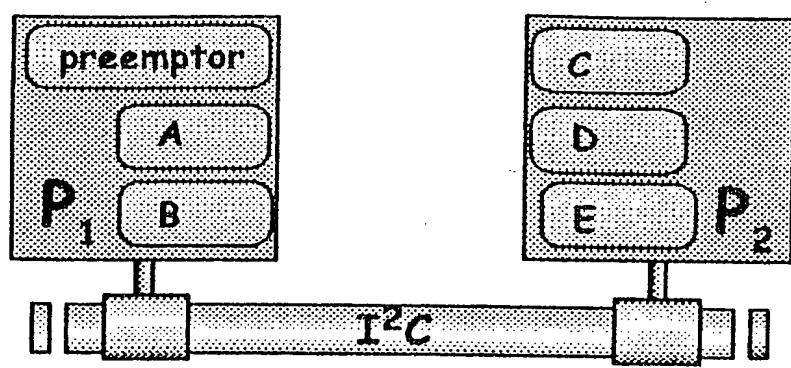


Figure 51B

Figure 52 "FIFO" Preemptive Scheduling

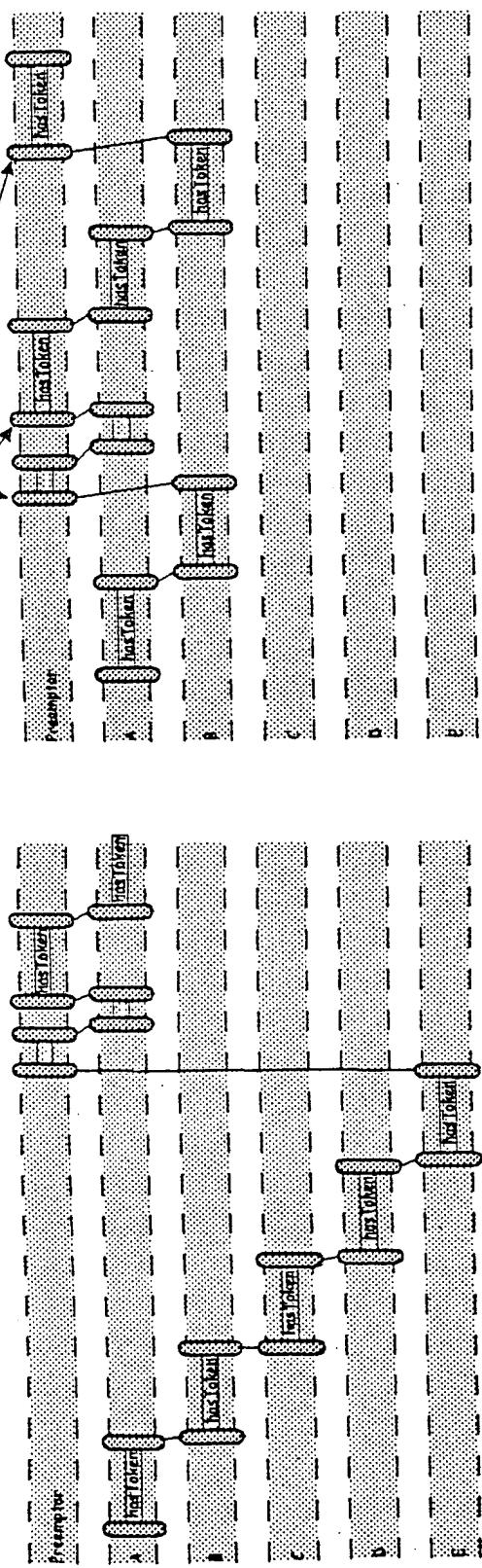


Figure 52A

Figure 52B

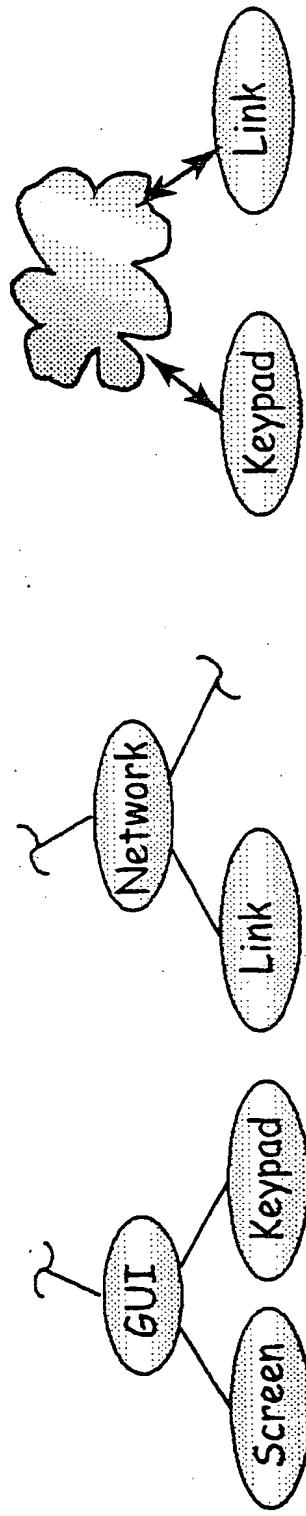


Figure 53A

Figure 53B

101290-19038860

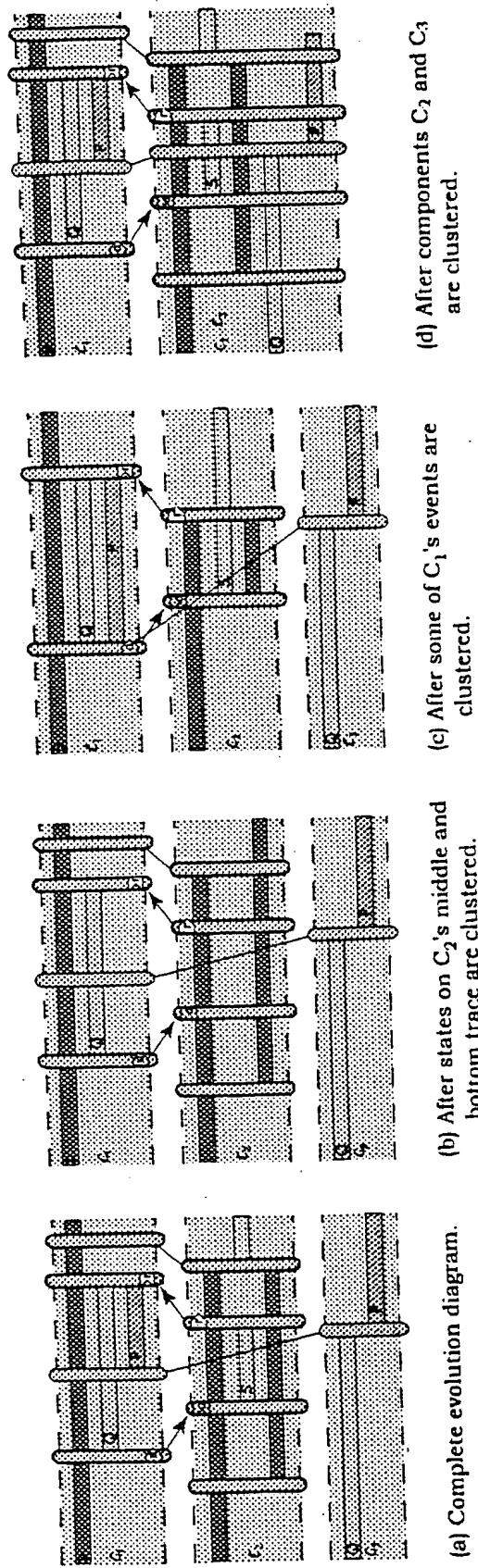


Figure 54

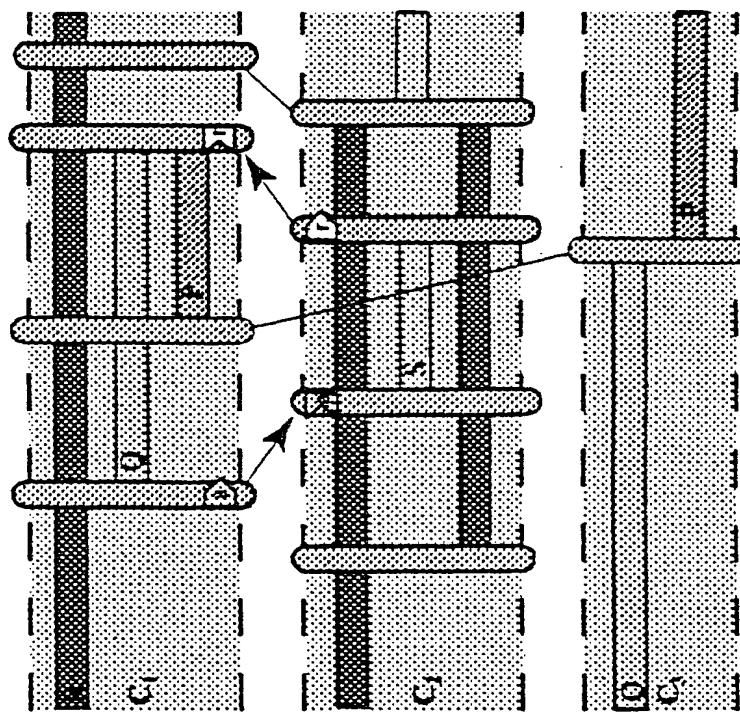


Figure 55A

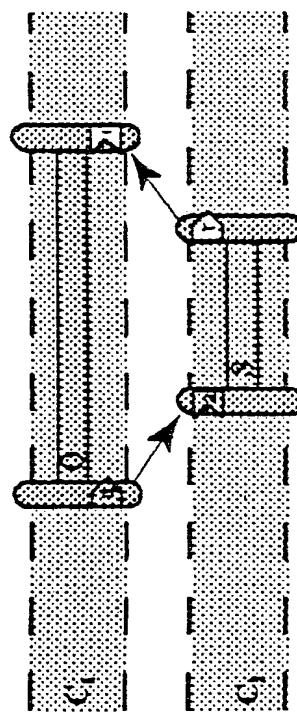


Figure 55B